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CHADN EV 665 A35

# AIR QUALITY MONITORING REPORT ONTARIO 1977

VOL.4



Ministry of the Environment Deputy Minister

Hon. Harry C. Parrott, D.D.S.,

Graham W.S. Scott.

# **CONTENTS**

Station Numbe		No. of Months	Page
TOTAL	REDUCED SULPHUR		
14049 18001 29008 29025 56051 56068 59055 61026 62030 62032	156 Victoria Street, Sarnia MacKenzie, R. R. #2, Tiverton North Park, Hamilton Barton/Wentworth, Hamilton Memorial Park, Cornwall 435 Second Street West, Cornwall IE Weldon HS, Riverview Road/Hwy. 36, Lindsay 56 King Street, Dryden Portage/Church Street, Fort Frances Cemetary, Colonization Road West, Fort Frances	12 12 11 12 12 10 10 11 12	1 8 15 22 29 36 42 48 55
63046	Montreal Street, Thunder Bay	12	62 68
CARBO	N MONOXIDE		oo
12008 14049 15001 26029 27037 29025 31001 31090 31105 33002 33003 34002 34007 35003 35033 44010 51001 56051 77016	467 University Avenue West, Windsor 156 Victoria Street, Sarnia King/Rectory, London Edna/Fredrick Street, Kitchener North/Geneva Street, St. Catharines Barton/Wentworth, Hamilton 67 College Street, 5th Floor, Toronto 67 College Street, 2nd Floor, Toronto Sherbourne/Wilton Street, Toronto Pharmacy and 401, Scarborough Lawrence/Kennedy, Scarborough Science Centre, Don Mills Road, North York Bathurst/Wilson, North York Elmcrest Road, Etobicoke Evans/Arnold, Etobicoke 1298 Rebecca Street, Oakville McDonald Gardens, Ottawa Memorial Park, Cornwall Ash Street, Sudbury	12 12 12 8 12 12 12 11 5 12 12 12 12 12 12 12 12	75 82 89 96 101 108 115 122 129 133 140 147 152 159 166 173 180 187 194
REACTI	VE HYDROCARBONS (NON-METHANE)		·
27037 29025 31001	North/Geneva Street, St. Catharines Barton/Wentworth, Hamilton 67 College Street, 5th Floor, Toronto	11 12 9	201 208 215

Station Number	Location	No. of Months	Page
TOTAL	HYDROCARBONS		
12008 14049 15001 22071 29008 31001 33002 33003 34002 34007 35003 35033 44010 51001 77016	467 University Avenue, Windsor 156 Victoria Street, Sarnia King/Rectory, London Experimental Farm, Simcoe North Park, Hamilton 67 College Street, 5th Floor, Toronto Pharmacy and 401, Scarborough Lawrence/Kennedy, Scarborough Science Centre, Don Mills Road, North York Bathurst/Wilson, North York Elmcrest Road, Etobicoke Evans/Arnold, Etobicoke 1298 Rebecca Street, Oakville McDonald Gardens, Ottawa Ash Street, Sudbury	12 10 12 4 10 12 12 12 12 12 12 11 12	221 228 234 241 244 250 257 264 271 276 283 290 297 304 311
OZONE			
10001 12008 13021 14049 14118 15001 22071 26029 27037 29025 31001 31105 33003 34002 35003 35003 35033 44010 47030 48002 51001 56051 58025 77016	College of Agricultural Tech., Huron Park 467 University Avenue, Windsor MOE Pumping Station, Middle Road, Merlin 156 Victoria Street, Sarnia PUC Water Pump Station, Hwy. 21, Petrolia King/Rectory, London Experimental Farm, Simcoe Edna/Frederick Street, Kitchener North/Geneva Street, St. Catharines Barton/Wentworth, Hamilton 67 College Street, 5th Floor, Toronto Sherbourne/Wilton, Toronto Lawrence/Kennedy, Scarborough Science Centre, Don Mills Road, North York Elmcrest Road, Etobicoke Evans/Arnold, Etobicoke 1298 Rebecca, Oakville Muck Res. Stn., Hwy. 400/Canal Rd., Holland Marsh MTC Yard, Stouffville McDonald Gardens, Ottawa Memorial Gardens, Cornwall Natural Resources Building, Orono Ash Street, Sudbury	8 12 6 12 11 11 12 12 12 12 12 7 12 12 12 12 12 12 12 12	318 323 330 334 341 348 355 369 376 383 390 394 401 406 413 420 427 431 438 445 452 459

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

	-																								
	STA	TION -	SW	NO	14049		156 VI	CTORI	A ST	NORTH	SAR	NIA				MON	TH -	JAN	77						
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PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	n 7	OTA	L REDUC	ED SU	LPHU	R-GASEO	US				Į	UNITS	- PAR	RTS/E	BILLION	V							
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- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR GASEOUS UNITS - PARTS/BILLION STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA MONTH - MAY 77 HOUR 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN .... 35 .... ... 0 .... 0 .... 00-000 ...0 0 .... ...0 0 .... 0 .... 0 .... 14 15 16 17 18 0 0 3 7 0 :::: .. 0 0 ...2 D 0 0 0 3 \*\* \*\* .... 22 .... ...0 ...0 ...0 0 2 6 2 13 0 0 0 0 .... 0 .... 0 .... 0 .... 8 0 24 25 26 28 29 30 .... 0 DATA INVALID 0 1 1 1 \*\*\*\* \*\*\*\*\* 1 1 1 0 0 1 0 0 0 0 0 1 1 MEAN 1 1 1 0 0.7 

PERCENTAGE OF DATA VALID - 82.8

PERCENTAGE OF DATA INVALID - 17.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA MONTH - JUN 77 HOUR 7 8 9 10 11 12 13 DAY 20 21 22 23 24 MEAN 0 .... 0 .... 0 .... 0 .... 0 .... 0 .... 0 ···· 0 ···· 4 ···· 0 ···· 0 0 0 0 Ø :::: o ō 0 .... 0 ... 12 13 :::: 0 .... 0 0 7 .... 16 17 18 19 ...0 ō :::: 22 0 0 0 1 0 .... 24 25 26 .... ...0 :::: .... MEAN 0.3

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR GASEOUS

UNITS - PARTS/BILLION

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PERCENTAGE OF DATA VALID - 96.3 PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- 1	OTAL	REDUCE	D SU	LPHUR -	GASE	OUS				9	UNITS	- PAF	TS/BI	LLION	Ú							
	STAT	ION -	SW	No	14049	1	56 VIC	TORI	A ST	NORTH	54	RNIA				MONT	гн - о	CT	77						
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PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.4	3	15
FEB	28	0.4	2	6
MAR	31	0.4	3	11
APR	30	0.4	4	14
MAY	27	0.7	5	35
JUN	30	0.3	Ĵ	10
JUL	29	0.5	3	9
AUG	24	0.3	2	7
SEP	30	0.3	2	7
OCT	31	0.6	4	10
NOV	28	0.2	2	7
DEC	31	1.2	5	18
YEAR	350	0.5	5	35

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GRO	UP FREQUEN	ICY DISTRI	BUTION FOR	1977						
POLLUTANT .						UNITS - P	ARTS/BILLI	ON		
STATION - S				ST NORTH	SARNIA					
	00 TO 10		21 TO 27	28 TO 50	51 TO100	10170300	30170500	50180VER	TOTAL	
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FEB	630	0	٥	0	٥	0	0	0	630	
MAR	732	1	o		0	0	0	0	733	
APR	636	5	0	0	. 0	0	0	0	641	
MAY	609	6	0		٥	0	o	0	616	
MAT	667	0	0		) 0	0	0	0	667	
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OCT	735	0			D (		. 0	. 0	672	
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POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

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MEAN	0	0	C	)	0 0	į į	0 0	1	(	0	O	) (	0	0	0 0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 96.6 PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	π. Τ	OTAL	REDUCI	D SU	LPHUR	-GASE	us				, C	NITS	- PAR	TS/BI	LLION								
	STAT	TION -	SW	NO	18001	M	ACKEN.	ZIE RE	2 1	TIVERTO	ON					MONT	н - ғ	EB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	0000000000	0 0 0 0 0 0 0 0	0000000000	000000000	0000000000	000000000	0000000000	0000000000	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000	0000000000	00000000	000000000	0000000000	0000000000	0000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000	0000000000	000000000	000000000	0000000000	0000000000
21 22 23 24 25 26 27 28	0000000	0 0 0 0 0 0 0	0 0 0 0 0 0	000000	0 0 0 0 0 0	00000000	00000000	0 0 0 0 0 0	0000000	0000000	0000000	00000000	0 0 0 0 0 0	0000000	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0000000	0 0 0 0 0 0	0000000	00000000	0 0 0 0 0 0	0000000	0000000	0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0	0	O	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON MONTH - MAR 77 HOUR 10 11 16 17 18 24 MEAN .000000 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 29 30 

PERCENTAGE OF DATA VALID - 99.9

MEAN

0 0 0

0 0 0 0 0 0

PERCENTAGE OF DATA INVALID . 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

0 0 0

0 0

0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

0 0 0

3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

0 0 0 0 0 0 0 0 0 0

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

0 0 0 0 0 0 0 0

UNITS - PARTS/BILLION POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS STATION . SW NO 18001 MACKENZIE RR 2 TIVERTON MONTH - APR 24 MEAN HOUR 1 2 3 4 5 6 7 8 9 10 12 13 14 15 16 17 18 19 20 .00000000 22 23 24 25 26 27 28 29 30 o 0.0 MEAN 

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON MONTH - JUL 77 HOUR DAY 10 11 24 MEAN 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 .. 22 23 24 25 26 27 28 29 30 a 0.0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	UTANT	- T	OTAL	REDUC	ED SU	LPHUR	-GASE	ous				1	INITS	- PAF	TS/B	LLION								
	STA	ION -	SW	NO	18001	N	ACKEN	ZIE R	R 2	TIVERT	ON					MONT	гн - д	UG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	000000000	00.00000	0 0 0 0 0 0 0 0 0 0	000000000	0000000000	0000000000	00000000	00000000	0000000000	000000000	0000000000	000000000	00000000	0000000000	000000000	00000000	000000000000000000000000000000000000000	000000000
11 12 13 14 15 16 17 18 19	0000000000	0000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000	0000000000	000000000	00000000	0 0 0 0 0 0 0 0 0 0	000000000	0000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0 0	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	00000		000000000	000000000	0000000000	0000000000	0000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0	0000000000	0000000000	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
31	0	D	0	0	0	0	О	0	o	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	o	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

							· · · · · ·	0-00	.003					ONTIS	PA	KID/R	LLLION	4							
	STA	TION -	SW	NO	18001		MACKEN	ZIE R	R 2	TIVER	TON					MONT	гн - н	VOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	000000000000000000000000000000000000000	0000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	000000000	000000000	0 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	000000000	0000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	000000000	00000000	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0	0000000000	00000000	000000000	0000000000	00000000	000000000	0000000000	0000000000	0000000000
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	****	00,0000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	000000000	0000000000	000000000	0000000000	0000000000	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
MEAN	0	0	0	0	O	0	0	O	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0 NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 1	OTAL	REDUC	ED S	ULPHUR	-GASE	ous				Į.	INITS	- PAF	RTS/BI	LLION	i							
	STA	TION -	SW	NO	18001		MACKEN	ZIEF	RR 2	TIVERT	ON						н - г		77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	IEAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	00000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000000000000000000000000000000000	0000000000	0000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0000000000	0000000000	00000000	000000000	000000000	000000000000000000000000000000000000000	****	000000000	0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	00000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	0000000000	000000000	000000000	00000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o
7073		-				0		U	Ü	Ų	O	U	U	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

	51	ATION	- wc	NO	29008	ı	NORTH	PARE	HAMI	LTON						MON	TH -	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	50	21	22	23	24	MEAN
1	6	1	1	4	3	2	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	1
3	3	3	3	2	2	2	- 1	1	1	2	2	2	3	3	3	3	3	3	3	2	2	2	2	4	5
3	4	3	4	2	3	3	3	4	2	3	4	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••			****	
4					****	••••		****	••••	****		••••		10	12	6	4	7	6	6	6	3	3	6	*****
5	5	8	10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
9	1	1	1	- 1	1	- 3		2	2	••••		0	0	0	0	0	0	0	0	0	1	2	1	1	1
6	3	0	1	1	0	0	0	0	1	0	0	0	0	ŏ	0	0	0	ŏ	0	2	11	2	0	0	1
9	o	Ö	0	0	0	0	0	0	0	0	Ö	ő	ŏ	0	0	0	00000	0	0 0 0	0 0	0	ő	0		0
10	ŏ	0	0	0	0	0	0	0	ŏ	0	ŏ	Ö	ő	ĕ	0	0	č	ŏ	0	0	0	0	ŏ	0	0
10	U	U	.0	U	U	U	U	U	U	U		U	U	U	0	U	·	U	U	Ü	U	U	U	U	U
1.1	0	0	0	0	0	0	0	0	0			2	2	2	3	6	6	4	4	3	3	4	3	2	2
12	0	0	0	0	0	0	0 0 2	1	1	1	1	1	0	0 2 6 7	3 0 2	0	0	1	2	3 2 2 7	3	4	3	2	1
13	3	3	2	2	1	1	2	2	2	2	1	1	2	2	2	2	2	3	3	2	2	3 6	3	6	2
14	3	3	3	4	4	5	5	5	5 8	5	5	4	4	6	6	6	4	5 6	6		6	6	6	6	5
15	6	10	7	9	7	6	7	8	8	9	8	11	7	7	6	6	6		9	6	5	6	6	6	7
15 16 17	7		8			3	5	3	9	7	9	В	3	3	6	3	3	2	3	4	4	4	3	4	5
17	1	1	1	2	4	3	2	2	2	2	2	3	3	3	4	3	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2					14	9	10	16											
19												-	DATA												
20												•	DATA	INVA	LID -										
21		••••	••••		• • • •			••••		••••	••••	3	2	2	1	1	0	0	0	0	0	0	0	0	*****
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	6	3	3	1	1	0	0	0	0	0	0	0	0	1	1	1
24 25 26	1	1	1	0	1	1	1	1	1	1	3	0	3	0	2	0 2 3	0 0 2	0 0 2	0 0 0 2 2 5 6	0	0	1	3	2	1
25	3	2	3	1	2	1	3	6	4	••••	-	4	3	0 2 3 2	2	2	2	2	2	1	3	8	11	8	
26	12	7	12	8	9	7		6	4	4	7	4	3	3	3	3	2	2	2	3	3	2	6	4	
27	3	3	2	3	4	3		6	2	2		1	1	2	2	2	3	3	5	5	3	3	3	2	
28	2	3	2	1	1	3		7	8	7		6	8	6	6		4	3			6	2	6	3	5
28 29 30	4	5	5	7	9	13		11	8	7	6	5		4	4	5	4	4	4	4	4	4	4	4	6
30	4	4	4	4	4	4	4	4	5	5	7	8	8	10	9	10	10	11	10	7	5	4	6	5	6
31	5	5	4	4	4	4	4	4	4	5	6	5	6	••••	••••	3	••••	••••	••••	••••	••••		••••	••••	*****
MEAN	3	3	3	2	2	2	3	3	3	3	4	3	3	3	3	3	2	2	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 84.5

PERCENTAGE OF DATA INVALID - 15.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. " ---- INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - WC NO 29008 NORTH PARK HAMILTON MONTH - FEB 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR 3 4 5 6 7 8 9 0 8 0 2 0 0 3 2 3 2 1 0020-40 ò ò ò ò 12 13 14 15 16 17 18 19 20 3000-00300 000000-000 0 0 22 23 24 25 26 27 28 .0 0.6

PERCENTAGE OF DATA VALID - 88.2

PERCENTAGE OF DATA INVALID - 11.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - WC NO 29008 NORTH PARK HAMILTON MONTH - MAY HOUR 1.1 12 13 14 15 20 21 22 23 24 MEAN - DATA INVALID - DATA INVALID DATA UNAVAILABLE 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 000000-000 0 16 0 0 1 400001-00 800004-30000-000 12 0 0 0 1 1 0 3 0 3 0 22 23 24 25 26 27 28 29 30 0000. 00-00 0-200 o

PERCENTAGE OF DATA VALID - 65.6

o 

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 29.3

0.9

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

.. INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - WC NO 29008 NORTH PARK HAMILTON MONTH - JUN HOUR 24 MEAN DAY -000000000 Ó 000-12 13 14 15 16 17 18 19 20 1 4 22 23 24 25 26 27 28 29 30 14 0 0 1 000000-000 0 0 0 16 0 0 1 000600-0 6 0 1 0 0 o C Ó 0.5

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/BILLION POLLUTANT - TOTAL REDUCED SULPHUR GASEOUS STATION - WC NO 29008 NORTH PARK HAMILTON MONTH - OCT 77 HOUR 10 11 12 14 15 22 23 24 MEAN 3 2 0 2 0 0 0 0 1 0 0 0 1 3 .... 0 2 0 12 13 14 15 16 0 2 0 0 2 0 ...0 0 0 0 18 0 0 6 0 0 0 10 2 0 7 0 0 5 2 1 0 0 0 0 0 23 24 25 26 27 28 29 30 1 .... .... .... 0 \*\*\*\* MEAN 1 1 1 1 1.0

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - WC NO 29008 NORTH PARK HAMILTON MONTH - NOV HOUR 7 8 9 11 12 13 14 24 MEAN 0 0 0 1 0 0 1 3 4 5 6 7 8 9 o o Ó 0 0 0 1 1 3 1 2 12 13 14 15 16 17 18 19 20 3 2 2 4 ò o o ò ò 22 23 24 25 26 27 28 29 30 2 2 00100. o 1 1 0.9

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION	- WC	NO 2900B	NORTH PARK HAMILTON	

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	2.7	7	16
FEB	24	0.6	3	12
MAR	31	0.2	5	12
APR	24	0.1	Ť	7
MAY	20	0.9	6	20
JUN	30	0.5	2	19
JUL	18	0.8	4	9
AUG		DATA UNAVAI	LABLE	
SEP	20	0.3	3	10
OC T	31	1.0	3	26
NOV	30	0.9	4	6
DEC	31	0.6	3	21
YEAR	283	0.8	7	26

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT	TOTAL RE	DUCED SULF	HUR - GASEOUS	5		UNITS - P	ARTS/BILLI	ON		
STATION .	WC NO 29	0008 NO	RTH PARK HA	MILTON						
MONTH	4 00 TO 10	11 TO 20	21 10 27	28 TO 50	51 TO100	10110300	30170500	50160VER	TOTAL	
JAN	617	12	0	0	0	0	О	0	629	
FEB	589	. 4	0	0	0	0	0	o	593	
MAR	734	. 4	0	0	0	0	0	0	738	
APR	584		0	0	0	0	0	О	584	
MAY	472	16	. 0	0	0	О	0	0	488	
JUN	713	6	. 0	0	0	0	0	0	719	
JUL	443	ı c	0	0	0	0	0	0	443	
AUG		DATA UNA	VAILABLE							
SEP	490		0	0	0	0	0	0	490	
oct	720	6	i 1	0	0	0	0	0	727	
NOV	703		0	0	٥	0	0	0	703	
DEC	733	3	1	0	0	٥	0	0	737	
YEAR	6798	51	2	0	0	0	0	0	6851	
FREQUENCY	DISTRIBUT PERCENT OF DATA	ION BY PER	CENTILES	FREOU	CONCEN ENCY DISTR	TRATIONS IBUTION: P	FRCENT			ΔR
	VALID	MIN	10	30 50	70	90		98 99	MAX	

85.5 0 0.0 0.0 0.0 0.0 2.0 3.6 6.1 8.8 26

ARITH MEAN

0.8

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

	STA	TION	- wC	NO 2	9025	8	ARTON	/WENT	WORTH	HAM1	LTON					MONT	тн = 1	IAN	77						
HOUR DAY	1	2	3	4	5	ô	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	ΕΔΝ
1 2 3 4 5 6 7 8 9	0 0 0 0 0 1 0 0 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 0 1 0 0 2	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0 2	0 0 0 0 0 1 2 0 2	0 0 0 0 0 1 2 0 2	0 0 0 0 0 0 1 2	0 0 0 0 0 1 0 0 2	000001	0 0 0 0 0 2 0 0 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 2	0 0 0 0 1 0 0 0 0 2	0000000000	0 0 0 0 1 0 0 0 2	0 0 0 0 1 0 0 0 2	000010002	0000010000	0000010000	0 0 0 0 1 0 0 3 0	0 0 0 0 1 0 0 3 0	0 0 0 0 0 0 1 0 0 0 2
11 12 13 14 15 16 17 18 19	0 0 0 2 2 1 1 1 2 1	0 0 0 2 2 2 1 1 1 1 1	0 0 2 2 2 2 1 0	0 0 2 2 2 1 0 1 0	0 0 2 2 2 1 0	0 0 0 2 2 2 2 0 1 0	0 0 3 2 2 1 0	0 0 2 2 2 2 2 0	0 0 0 3 2 2 2 0 0 0	0 0 0 3 2 2 2 1 0	0 0 0 3 2 2 2 1 0	0 0 0 3 2 2 2 1 0 0	0 0 2 2 1 1 1 0	0 0 0 1 2 1 1 1 0 0	000111100	0 0 0 1 2 1 1 1 0 0	0 0 1 3 2 1 1 1 0	0 0 1 2 1 1 1 0 1	0 0 2 3 2 1 1 0 0	0 0 2 2 1 1 1 1 0 0	0 0 2 2 2 1 1 1 0 0	0 0 2 2 2 1 1 1 0 0	0 0 2 2 1 1 1 0 0	0 0 2 2 2 2 1 1 0	0 0 1 2 2 2 1 1 0
21 22 23 24 25 26 27 28 29	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0 0	0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 0	00000000	0000000000	00000000	0000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	00000000	0000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- 1	OTAL	REDUC	ED SU	LPHUR	GASE	ous				Ļ	JNITS	. PAR	RTS/BI	LLION	i							
	STAT	10N -	WC	NO :	29025	В	BARTON	/WENT	WORTH	HAM1	LTON					MONT	ен : в	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 1	0001000001	0 0 0 0 0 0 1	000000000	0 0 0 0 0 0 0 1	00000001	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 1
11 12 13 14 15 16 17 18	000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000	000000000	00000000	1 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0	0000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0	030000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0100000000	000000000
21 22 23 24 25 26 27 28	0 0 3 0 0 0 0	0 0 2 1 0 0 0 0	00410000	0 0 1 0 0 1 0	0 0 0 0 0	0000	0 0 1 0 0 0 0	0 0 1 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 2 0 0 0 3 0	0 0 1 0 0 1 0	0 0 1 0 0 1	0 0 1 4 0 0 1	0 0 0 5 0 0 0	0 0 0 0 0 0	0 0 8 0 0 0	0 0 0 0 0 0	0 3 0 1 0 0	0 3 1 1 0 0	0 5 1 0 0 0	0 4 0 0 0 0 0 0	0 1 0 0 1 0 0	0 1 1 0 0 0	0 1 0 0 0 0 0	0 1 1 1 0 0 0 0 0
MEAN	0	0	0	0	0.	0	0	0	0	0	0	0	0	0	0	0	О	0	0	0	0	0	O	0	0.2

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

	STA	TION	- WC	NO	29025	1	BARTO	N/WEN	TWORT	ман н	LTON					MON	тн - 1	MAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	0	0	О	0	0	0	0	0	0	0	0	0	0	o	0	0	٥	0	0		0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	ŏ	ŏ	0	ŏ	č	0	ŏ		ŏ	ŏ	0
3	0	0	0	0	0	0	0	0	ō	o	6	2	ž	2	ž	ĭ	ĭ	ĭ	ĭ	1	0	0	ő	o o	0
4	0	0	1	2	2	3	1	1	ō	ī	ō	1	- 7	- 7	ō	ò	- 1	2	ö	ò		0	ő	0	
5	0	0	0	0	0	0	0	0	õ	o	ō	ó	ò	ó	ő	ő	ó	ő		ŏ	0			0	1
6	0	0	0	0	0	0	0	0	ŏ	ō	ō	ŏ	o	ŏ	ŏ	ŏ	ŏ	ŏ	0	Ö	0	0	0	0	0
7	0	0	0	0	0	0	ō	o	ŏ	ō	ŏ	ŏ	ŏ	ŏ	ő	ö	ŏ	ŏ	0		0	0	0	0	0
8	0	0	0	0	0	0	0	ō	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	Ö					0	0	O		0	0
9	0	0	o	o	ō	0	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ		0	0	0	0	0	0	o	0	0	0
10	0	0	ō	ō	õ	o	ŏ	ő	ő	ŏ	ŏ	ö	ā	ŏ	0		O	0	0	0	0	0	0	0	0
				_	•	•	•		U	U	U	U	U	O	0	0	0	0	1	1	0	1	1	1	0
11	1	0	0	0	0	0	1	1	3	6	2	6	8		3	5	5	8	4	5	2	6	3	2	-
12	4	1	1.	1	3	1	1	3	4	5	5	5	8	11	9	6	3	3	3	2	3	4	4		3
13	12	2	2	2	1	3	3	13	1	1	- î	ō	ŏ	ò	ā	ő	ō	ō	0					5	4
14	0	0	0	0	0	0	0	0	o	ó	o	ō	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ		0	o	0	0	0	2
15	1	1	1	1	0	1	1	2	ĭ	1	ŏ	ő	ő	ŏ	o	5	6	5	0		0	0	0	- 1	0
16	0	0	0	0	0	0	Ó	ō	ò	o	ŏ	ŏ	ŏ	ŏ			9		3	4	7	1	1	0	2
17	0	0	ō	ō	ō	ŏ	ŏ	Ö	ŏ	ŏ	ŏ	ő	õ		0	0	0	0	0	0	0	0	0	0	0
18	0	0	ĭ	ō	ŏ	ŏ	ŏ	ő		••••	2	1		0	0	0	0	0	0	0	0	0	0	0	0
19	ō	ō	ò	ŏ	Ö	ŏ	ő	ő	ŏ	0			- 1	0	1	,	0	0	0	0	0	0	0	0	0
20	ō	ŏ	õ	Ö	1	5	2	2			0	0	0	0	О	0	0	0	0	0	0	0	0	0	0
	-	~	U	•	,	3	4	2	0	0	3	2	4	3	1.	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	5	9	1
22	8	9	1	0	0	0	0	0	1	4	11	4	0	0	o	o	o	ō	ŏ	ò	ŏ	õ	ŏ	ŏ	,
23	0		0	0	0	0	0	0	0	0	0	0	0	0	ŏ	0	0	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ō
24 25	0	0	0	0	0	0	0	0	0	0	0	Ó	ò	0	ŏ	ō	ō	ŏ			ŏ	ŏ	ŏ	ŏ	č
25	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	ŏ	ō	ō	ŏ	0	0	ŏ	0	ŏ	ŏ	ŏ
26	0	0	0	0	0	0	0	1	2	0	0	ō	ō	ō	ŏ	ō	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ő
27	0	1	1	1	0	1	1	2	5	7	24	28	19	6	š	ž	2	ĭ	ĭ	3	4	3	ŏ.	ŏ	ž
28	1	1	1	2	4	3	5	4	4	6	5	28	4	4	6	20	15	18	3		170	1	1	2	2
29	2	2	2	5	7	2	2	4	3	3	1	1	1	ō	ŏ	-0	.0	0	ő	0	2	ò			?
30	0	0	1	0	0	1	14	10	27	14	10	i	ò	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	0	0	0	0	3
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	o
MEAN	1	1	0	0	1	1	1	1	2	2	2	2	2	1	1	ť	1	1	1	1	1	1	0	1	1.0

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- \* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	٠ ٢٠	TOTAL	REDU	CED S	ULPHUR	R-GASI	EOUS					UNITS	- PAI	RTS/B	ILLIO	N							
	ST	MOITA	- wc	NO	29025		BARTO	N/WEN	TWORTH	HAMIL	TON					MON	тн -	APR	77						
DAY		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 1 0 2 3 0 0 0	0 1 0 1 20 0 0	0 1 0 0 0 0 0 0	0 13 0 1 0 0 0	0 19 0 1 0 0 0	0 19 0 1 0 0 0 0 0	1 15 0 1 0 0 0 0 0 0 0 0	350200000	1 7 0 4 0 0 0	1 5 0 2 0 0 0 0	15 0 1 0 0 0 0 0	5 12 0 1 0 0 0 0	3 15 0 0 0 0 1 0	9 0 0 0 0 0 0 0 0	2 17 0 1 0 0 0	2 7 0 11 0 0 1 0	1 13 0 13 0 0 1 0	2 18 0 1 0 0 1 0 0	1 25 8 1 0 0 1 0	2 21 9 3 0 0 1 0 6	3 1 20 2 0 0 0 0 0	3 0 2 0 0 0 0 0	1 0 1 3 0 0 0 0	000000000000000000000000000000000000000	2 10 2 2 1 0 0
11 12 13 14 15 16 17 18 19	3 0 0 0 12 0 14 8	3 0 0 1 0 1 1 10 2 3	3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 0 0 0 5 24 3	4 0 0 0 0 0 3 26 2	9 0 0 0 0 0 3 20 2	6 0 0 0 0 9 10 4	3000024564	1 0 0 0 1 5 7 12 20 3	1 0 0 5 7 3 8 7 7 3	0 0 0 0 9 5 2 6 4 8 4	0 0 0 4 3 1 10 6 5	0 0 4 5 0 13 2 5	0 0 0 1 0 10 0 9	0 0 0 0 4 14 10	0 0 2 0 0 6 9	0 0 2 0 0 3 6 15 5	0 0 1 3 0 9 11 16	0 0 9 18 0 3 9	0 0 0 16 9 0 0 3 1	0 0 0 0 0 1 1 5	000000000000000000000000000000000000000	0 0 0 0 0 34 3	000004813	2 0 0 2 3 1 6 9 6
21 22 23 24 25 26 27 28 29 30	21 21 2 0 0 0 0	2000	0 1 1 1 2 0 0 0 0 0 0	0 1 2 0 0 0 0 0 0 0	012000	0 0 0 0 0 0	0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0 0	0 1 2 0 1 1 1 1 0 0 0 0	0 3 9 1 2 0 0	0 1 1 6 2 1 0 0	0 1 1 4 1 9 0 0	0 1 1 4 0 5 0 0	1 1 2 0 1 0 0	1 1 9 1 2 0 1 0 0	1 6 10 0 2 0 2 0 0	1 2 1 4 0 1 0 3 0 0	1 0 5 0 0 0 0 0	1 0 0 11 0	0 0 0 0 0 0	2 6	205000000000000000000000000000000000000	1 5 0 0	1 0 37 0 0 0	1 1 3 5 0 1
MEAN	3	2	1	2	2	2	2	1	2	2	2	3	-3	2	3	3	2	3	4	3	3	1	2	2	2.2

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID . 2.2

PERCENTAGE OF DATA UNAVAILABLE - D.1

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION BARTON/WENTWORTH HAMILTON MONTH - MAY STATION - WC NO 29025 6 7 9 10 11 12 13 14 15 22 23 24 MEAN HOUR DAY 0 6 32 0 3 40 15 12 \*\* 0 0 0 0 16 12 13 14 15 16 17 18 19 20 0 0 0 0 2 14 1 0 19 3 37 0 2 15 0 1 8 5 4 110 1 13 35 28 23 24 25 26 27 28 2 2 1 3 3 13 11 5 2 2 16 

PERCENTAGE OF DATA VALID - 99.6

MEAN

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

3.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - PARTS/BILLION POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON MONTH - JUN 24 MEAN 1.1 12 13 HOUR DAY 0 0 2 2 3 9 0 0 2 16 4 8 0 1 7 0 14 18 17 4 3 0 0 0 12 13 14 15 16 17 18 19 20 17 3 19 3 2 0 0 0 26 8 4 4 2 30 4 6 4 0 0 0 4 7 9 4 3 0 0 16 3 27 42 2 25 22 23 24 25 26 27 28 29 30 2 15 0 0 MEAN 

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION MONTH + JUL STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON HOUR 24 MEAN 00000108. 0 0 2 2 0 0 0 1 27 0 1 2 0 0 16 1 2 2 2 0 3 4 3 4 5 6 7 8 9 17 1 3 2 6 0 4 1 2 2 0 1 4 1 12 13 14 15 16 17 18 13 0 0 1 0 0 0 1 0 23 0 0 0 0 0 0 0 0 27 00 20 00 0 23 0 0 2 0 0 0 1 0 10 0 1 3 1 0 0 1 18 0 1 3 0 0 0 2 0 4 1 0 0 3 ō 22 23 24 25 26 27 DATA INVALID DATA INVALID DATA INVALID DATA INVALID DATA INVALID DATA INVALID 29 30 DATA INVALID 

PERCENTAGE OF DATA UNAVAILABLE - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

1.8

PERCENTAGE OF DATA VALID - 70.2 PERCENTAGE OF DATA INVALID - 29.0 NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- \*- INDICATES DATA IS UNAVAILABLE
- 3. " .... INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON MONTH - AUG 77 HOUR 9 10 17 18 24 MEAN 000. 1 0 2 3 4 5 6 7 8 9 1 2 0 0 . 3010. 300. 0 0 100. 0 4 3 1 3 12 7 0 8 2 6 0 0 2 1 2 12 13 14 15 16 17 18 19 20 00000++ 1100. 22 23 24 25 26 27 28 0 0 0 2 2 1 000-0000 -0000 MEAN 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. " - " INDICATES DATA IS UNAVAILABLE

PERCENTAGE OF DATA VALID - 91 1

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA INVALID - 8.7

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

HOUR		TION	- WC	NO	29025		BARTO	u furs																	
HOUR	1	19.1					DANTO	N/ WER	TROWTE	H HAM	LTON					MONT	TH - 1	VOV	77						
DAY		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 W	EAN
1 2 3 4 5 6 7	0 10 8 3 0 3	0 0 5 9 1 1 0 0	0 3 6 0	0 0 5 2 0 16 0	0 6 0 0 15	0 0 9 2 0 16 0 0	0 3 16 5 2 10 0	0 4 9 5 6 5 0	7 4 2	0 3 15 6 12 8	0 2 9 0 3 7	0 0 10 0 1 5	0 0 18 0 1 9	0 0 16 0 4 0 3	0 0 17 0 2 3	0 9 0 2 0 0	1 16 8 0 2 4 0 3	5 25 4 0 12 19	9 21 2 0 2 6	11 11 2 1 0	11 3 1 1 0	4 3 4 1 0	6 3 6 21 0	0 9 8 42 1 0	2 4 9 5 3 6
9	12	1 5	1 3	0 1 3	3 6	6	0 1 7	10 7	2 6 8		5 2 0	6 0	10 0	8 0	2	4 2 0	3 11 0	4 6 0	1 8 0	15 0	2 2 14 0	16 0	18	1 17 0	2 7 2
11 12 13 14 15 16 17 18 19	0 0 0 0 0 1 1 0 2	0 0 0 0 0 1 0 0 2	000000000000000000000000000000000000000	0 0 0 0 0 0 1	0 0 0 0 0 0 1	00000000	0 0 0 1 1 0 0	0 0 0 1 1 0 0	0 0 1 1 1 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 1 0 0 1	0 0 1 1 1 1 0 1	0 0 0 0 1 1 2 1 0 2	0 0 0 0 1 1 2 1 0 2	0 0 0 0 1 2 1 0 2	0 0 1 1 1 1 1 1 0 2	0 0 0 1 1 1 2 1 0 2	0 0 0 1 1 1 0 1	0 0 0 0 1 1 1 0 2	0000011002	0 0 0 0 1 1 0 0 3	0000011008	0 0 0 0 1 1 0 1 2	0 0 0 0 1 1 0 1 1	0 0 0 0 1 1 1 0 2
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 1 2	0 0 1 1 0 0 0 0 0 0 1	0 0 1 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 1	000000001	0 1 0 1 0 0 0 0	00100001	0 0 0 2	0 0 0 0 0 0 5	00110000002	0 0 1 1 0 0 0 0 1	0011100014	0 0 1 1 0 0 0 1 1	0 0 0 1 2	0 0 2 1 1 0 0 0 2 2	1 0 4 1 1 0 0 0 1 3	1 1 0 0 0 2 2	0 0 0 0 0 0 1 1	002000012	0 1 1 0 0 0 0 0 0 0 2 3	0 1 1 0 0 0 0 0 0 0 2 4	0 1 1 0 0 0 0 0 0 1 2	0 1 1 0 0 0 0 1 3	0 0 0 0 0 1 2
	•	•		, i	4	3.	2	2	2	2	1	1	2	2	,	1	2	3	2	2	2	2	2	3	1.7

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. " --- INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### CNTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN'	т - т	OTAL	REDUC	ED SU	LPHUR	-GASE	ous				ι	JNITS	- PAF	TS/81	LLION	<u>I</u>							
	STA	TION	- WC	NO :	29025	8	ARTON	/WENT	WORTH	HAM	ILTON					MONT	н⊹р	EC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	2 0 0 3 0 1 0 0 1 0	0 0 3 1 1 0 0 1 0	1 0 1 2 1 1 0 0	4 2000000	1072000000	0 0 0 0 0	206200000	2052000100	305210000	0 5 2 2 0 0 0 0 0 0 0	5 2 3 0 0 2	0042100200	0042100110	0042200110	0042200010	0042300010	0042400110	0 0 4 1 2 0 0 1 1 0	0 0 4 1 2 0 0 1 1 0	0 0 4 1 1 0 0 1 1 0 0	0 0 3 1 1 0 0 1 0 0	0 3 1 2 0 0 1 0	0 0 3 1 0 0 0	0 0 3 1 1 0 0 0	1 0 4 2 1 0 0 0 1 0 0
11 12 13 14 15 16 17 18 19	0 1 0 0 0 3 1 0 0	0 0 0 0 0 4 2 0 0	0 0 0 0 5 2 0 1	0 0 0 0 0 2 1 1 1	0 0 0 0 0 3 4 2 1	0 0 0 0 1 3 0 1	0 1 0 0 0 0 1 3 0 0	0 1 0 0 1 2 1 0	0 1 1 1 1 1 1 1	0 1 0 1 1 1 0 1	0 1 0 2 0 2 1 1 1 1 1	0 1 0 2 1 1 2	0 1 0 4 0 2 2 1 1 2	0 1 0 2 2 1 1 2	0 2 1 1 0 1 1 1 1 1 1 1	0 1 2 2 1 1 3	0 1 3 3 1 2 4	0 1 0 1 4 3 1 2 4	1 1 0 0 0 1 2 2 2 3	1 1 0 0 0 3 1 3 1 1	0 1 0 0 0 3 2 2 1 0	1 0 0 0 0 2 2 1 1 0	1 0 0 0 0 4 1 0 1 0	000042010	0 1 0 2 2 2 1 1
21 22 23 24 25 26 27 28 29 30	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	00000000	000000000000000000000000000000000000000	000000001	0 0 0 0 0 0 0	000000000	000000000	00000000	0 0 0 0 0 0 0 0	000100000	0001000000	000200000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 24 0 0 0	0000000	0000000	0000000000	0 0 0 0 0 0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	1	8	4	0	0	1
MEAN	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0.7

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS . PARTS/BILLION

	ST	ATION	· s	E NO	56051		MEMOR	IAL F	PARK Y	ORK/T	HIRD	ST.,	CORNW	ALL		MON	TH -	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 2 3 0 0	0 0 0 3 1 2 1 2 0	0 0 0 4 1 4 4 0 0	0 0 0 3 1 2 2 0 0	0 0 0 2 2 4 5 0	0 1 1 3 0 5 4 0	0 1 0 5 0 3 3	0 0 1 3 0 2 2	0 4 6 4 1 1 2 0	00040610	0 1 3 0 0 1 0	0 0 1 4 0 0 0 0	0 0 9 1 0 1 3	0 0 0 4 1 0 1 3 1 0	0 0 0 1 1 0 2 3 1 1 0	0 0 1 0 1 2 3 1 1 2	0 0 3 0 1 1 4 0	5001021	0 0 2 0 5 0 2 1	0 1 0 2 0 11 0 0	2 2 2 1 2
11 12 13 14 15 16 17 18 19	1 6 5 3 8 1 1 2 3	6353301121	4 3 7 1 3 0 1 3 2 5	5 6 1 3 0 1 5 3 3	3 2 3 1 3 1 0 3 6	2 3 1 1 3 8 0 4 3 6	2 3 1 3 0 3 5	2 3 1 7 5 0 3 4 7	1 3 1 1 3 3 0 3 5 3	1 2 3 5 3 0 3 9	28 3 1 3	1 1 3 12 3 1 3 1 3	2 1 0 3 2 5 1 3 2 3 2 3	2 1 0 3 15 6 1 3 2 5	3 1 0 3 3 6 1 2 2 7	5 1 0 4 3 5 1 3 2 2	2 1 0 5 2 8 1 3 2 7	3 1 5 3 10 1 1 5 9	4 0 2 3 2 5 1 1 7 6	0 0 3 2 5 1 2 7 6	0003240355	0203241296	0 1 3 3 2 1 3	1 1 3 4 2 1 2 4	2 2 3 5 4 1 3 4 5
21 22 23 24 25 26 27 28 29 30	13 0 0 1 2  0 5 7	13 0 2 0 5  0 6 8 5	8 0 5 2 5  0 3 8	8 1 0 0 4  0 4 6	10 0 2 1 1 1 1 6 0	2 0 4	1 2 1  2 0 4	1 5 1 3  2 0 4	5 3 1  3 0 2	3 1 3  3 0 1	0 0 2 3  4 0 2	0 0 3 3  2 4 1	0 6 1  6 3 0	7 0 0 4	6002	0 1 4  4 8 0 4	3  3 2 0 4	0 8 1 13 3 3 0	0 0 2 1 6 4 0 0	0 0 3 1  2 14 1 0	0020015006	0 1 0 0 8 1 2 4	0 1 0 2 0 10 4 5	0 2 0 11 7 2	3 1 2 2 2 5 5 2 3 2
31 MEAN	1	3	1	1	1	1 2	0 2	1	2	2	3	2	2	2	2	2	2	3 3	4 2	3 2	2	2	2	2	2 2.2

PERCENTAGE OF DATA VALID - 93.4

PERCENTAGE OF DATA INVALID - 6.0

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL MONTH - FEB 77 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR 6 7 2 3 4 5 6 7 8 9 3 0 1 20-0004006 14 0 1 12 13 14 15 16 17 18 19 13 0 4 1 0 6 5 22 23 24 25 26 27 28 0300. MEAN 1.5 

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/BILLION POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS MONTH - MAR STATION -SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL 24 MEAN HOUR DAY 12 0 0 o 0 0 7 13 0 4 200 0 0 0 INVALID 9 10 INVALID DATA DATA INVALID DATA INVALID - DATA INVALID DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE 12 13 14 15 16 17 DATA UNAVAILABLE 22 23 24 25 26 27 28 29 30 DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA INVALID 2.3 MEAN 

PERCENTAGE OF DATA VALID - 23.7 PERCENTAGE OF DATA INVALID - 16.4 PERCENTAGE OF DATA UNAVAILABLE - 59.9

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION MEMORIAL PARK YORK/THIRD ST., CORNWALL MONTH - APR В 24 MEAN HOUR DAY 0 2 Ö ō 0 0 0 2 0 0 0 4 0 1 12 13 14 15 16 17 18 19 20 o n 0 0 o 13 8 8 0 2 3 2 22 23 24 25 26 27 28 29 30 0 2 3 0 2 1 Ó 0 2 0 В MEAN 2.1

PERCENTAGE OF DATA VALID - 97.1 PERCENTAGE OF DATA INVALID - 2.6 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION MEMORIAL PARK YORK/THIRD ST., CORNWALL STATION - SE NO 56051 MONTH - MAY 77 HOUR 6 7 8 9 10 11 17 18 19 20 21 22 23 24 MEAN 2 3 4 5 6 7 8 9 17 0 0 3 0 12 0 2 0 11 12 13 14 15 16 17 18 19 5 10 0 3 6 14 9 0 0 1 6 0 3 5 3 15 2 0 0 1 2 0 0 6 2 4 1 0 0 9 2 0 0 6 2 0 0 22 3 0 10 0 3 19 0 6 2 7 22 23 24 25 26 27 28 29 30 1 0 6 0 4 28 0 0 4 0 3 5 0 10 14 4 4 0 6 1 0 4 3 0 15 2 26 0 2 0 0 0 1 4 6 27 0 0 0 0 0 12 5 2 19 0 0 0 0 0 10 4 3 5 0 2 2 0 0 4 7 0 3 3 0 11 13 1 0 2 0 2 7 0 4 4 0 5 2 0 \*\*\*\* MEAN 

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	REDU	CED S	ULPHU	R-GAS	EOUS					UNITS	- PAI	RTS/B	11110	N							
	ST	ATION	- s	E NO	56051		MEMOR	IAL F	ARK Y	ORK/T	HIRD	ST.,	CORNW	ALL		MON	TH - ,	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0	0 0 1 1 0 0 1 0	0 3 1 6 10 0 0 14 1	0 0 1 7 1 0 0 12 1	0 0 0 0 0 0 0 0 0	0 2 0 3 0 0 0 2 0 0	000000000000000000000000000000000000000	0 0 3 0 0 3 1 0	0 2 0 6 0 2 2 0	0 1 0 11 0  0 2 0	0 1 0 12 0 3 0 3 1	0 5 0 10 0 3 0 5 0	0 5 0 18 0 1 0 6 0	0 3 0 22 0 3 0 6	0 3 0 15 0 2 0 3	0 5 0 12 0 4 0 2 0	0 3 1 2 0 0 1 1 0 0 0	0 0 1 0 0 2 1 0 0	0 0 0 2 0 1 2 1 0 0	0 0 0 2 0 0 1 1 0 0	0 0 0 2 0 0 1 1 0 0	0006000200	0024001000	1000 1000	0 1 0 7 1 1 0 3 0
11 12 13 14 15 16 17 18 19	0000500009	0 0 0 3 0 6	0 1 0 12 1 1 0 3 3	0 1 0 5 0 0 1 5 2 6	0 2 0 5 0 0 1 0 7	0 0 0 0 0 1 0 8 5	0 2 0 2 0 3 1 3	0 0 1 0 3 20 7 16	0 2 9 2 7 0 6 7	0 1 2 1 0 1 1 0 5	2 0 4 0 2 8 0 5 35	3 0 1 0 5 2 0 6 23	2 0 2 4 0 8 5 0 5	3 0 2 2 0 6 10 1 2	0 2 1 0 8 1 1	2 0 2 1 0 12 2 0 7	0 2 0 0 19 2 0 5 3	11 0 7 0 0 3 1 16 4 8	0 0 1 0 0 3 3 22 7	0 6 0 0 3 0 5 2 4	0 0 0 0 5 1 9	0 0 0 0 0 2 2 6 1 1	2 0 1 0 0 3 1 7	1 0 4 1 3 0 2 3 3 2 2	1 1 1 2 1 4 3 3 5
21 22 23 24 25 26 27 28 29 30	7 0 12 1 6 0 2 11 0	2 0 14 0 5 0 20 3 0 21	1 0 10 0 3 0 20 4 0 23	0 8 0 0 0 14 2 0 36	0 0 11 0 1 0 8 5 9	0 9 1 11 6 5 0	0 0 26 0 7 0 4 0 0	0 24 0 7 0 5 0 12	0 33 1 6 11 2 0 16	0 38 2 7 7 2 1	0 5 5 7 8 1 1 37 32	0 5 4 9 15 1 1 12 23	0 0 4 5 3 31 1 0 8	0 4 5 9 1 10 2	0 19 11 0 2 3 1	0 7 25 0 4 6 1	0 17 29 2 52 19 0	0 0 65 7 3 79 14 1	0 18 5 0 67 12 6 14	0 0 14 7 1 15 35 3	0 12 6 0 0 35 3	0 24 0 0 0 22 1 2 7	0 19 0 0 0 26 21 1	0 7 12 2 0 14 27 0 5	0 3 15 5 4 16 10 2 5
MEAN	2	3	4	3	3	2	3	4	4	4	6	4	5	6	4	4	5	8	6	3	2	3	3	3	4.0

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION . SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL MONTH - SEP 77 HOUR 9 10 11 12 13 14 20 21 24 MEAN 1 0 4 3 0 0 0 4 0 2 0 0 21 12 13 14 15 16 17 18 19 050000+460 0 0 2 3 10 0 0 0 0 0 22 23 24 25 26 27 28 29 30 12 0 2 0 0 0 

PERCENTAGE OF DATA VALID - 97.5

1 2

MEAN

PERCENTAGE OF DATA INVALID - 2.5

2 2 2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

1.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

1 1 2 2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL MONTH - OCT 77 HOUR 8 9 10 11 12 24 MEAN .... 2 3 4 5 6 7 8 9 .... .. 0 0 15 0 7 0 3 2 1 2 3 0 12 13 14 15 16 17 18 19 20 4 0 1 1 4 0 1 0 1 1 2 2 0 13 0 1 0 1 1 2 3 0 3 0 0 1 2 2 3 0 0 5 1 2 3 0 2 1 2 3 0 2 2 0 2 2 0 22 23 24 25 26 27 28 29 30 15 0 0 38 0 5 0 8 4 0 2 34 1 24 0 0 5 4 0 2 12 3 19 0 1 1 0 4 6 7 0 4 0 1 4 12 2 0 1 0 1 1 6 26 0 3 1 13 2 5 0 3 17 2 15 15 0 4 4 21 1 3 0 1 2 3 0 3 4 10 0 11 0 2 11 7 0 3 13 302B3000 0 13 30 11 26 13 6 0 6004 2000 3 18 12 0 3 4 11 12 4 5 2 13 26 9 4 5 30 MEAN 3.3

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST CORN	RNWALL
--	--------

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	2.2	5	28
FEB	28	1.5	5	14
MAR	7	2.3	5	18
APR	30	2.1	5	23
MAY	31	3.1	9	42
JUN	30	4.0	16	79
JUL	30	2.6	10	61
AUG	31	1.9	5	21
SEP	30	1,4	4	21
oct	30	3.3	12	42
NOV	30	3.7	9	43
DEC	31	1.1	5	20
YEAR	337	2.4	16	79

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

YEAR

,	MONTHLY GRO	OUP FREQUE	NCY DISTRI	BUTION FOR	1977					
PC	DLLUTANT -	TOTAL RED	UCED SULPH	IUR-GASEOUS			UNITS - P	ARTS/BILLI	ON	
	- NOITATE	SE NO 560	51 MEN	ORIAL PARK	YORK/THIR	D ST., COR	NWALL			
	MONTH	00 TO 10	11 TO 20	21 10 27	28 TO 50	51 T0100	10110300	30170500	501 60VER	TOTAL
	JAN	683	11	0	1	0	0	0	0	695
	FEB	653	3	0	0	0	0	0	0	656
	MAR	168	8	0	0	0	0	0	0	176
	APR	679	18	2	0	0	0	0	0	699
	MAY	685	36	6	3	0	0	0	0	730
	JUN	625	51	17	13	4	0	0	0	710
	JÜL	689	17	6	10	1	0	0	0	723
	AUG	728	5	1	0	0	0	0	0	734
	SEP	694	7	1	0	0	0	0	0	702
	OCT	647	50	9	6	0	0	0	0	712
	NOV	662	44	4	1	0	0	0	0	711
	DEC	724	11	0	0	o	0	0	0	735

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	PERCENT						TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	91.1	0	0.0	0.0	0.2	2.1	6.3	9.3	14.5	20.7	79	2.4

7637 261 46 34 5 0 0 0

7983

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

	STA	NOITA	- SE	NO	56068		scHoo	L 435	SECO	IND ST	w c	ORNWAL	L			MON	TH -	MAR	77						
HOUR DAY	ť	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9											8	- DAT - DAT - DAT - DAT - DAT - DAT - DAT	A UN A UN A UN A UN A UN A UN	IAVAI IAVAI IAVAI IAVAI IAVAI IAVAI	ABLE ABLE ABLE ABLE ABLE ABLE ABLE										
11 12 13 14 15 16 17 18 19	3 6 2 0 0 1 1	4 4 1 0 6 1 1	4 4 1 0 3 1 2 0 2	5 4 1 0 0 1 1 0 3	4 4 2 0 0 1 1 0 6	4 4 2 0 0 2 1 0 7	4 4 2 0 3 1 0 0 1	5 4 2 0 3 1 1 0	5 5 5 **** 1 6 1 5 0	6 4 0 5 7 1 10 0	6 3 0 5 16 1 4 1 20	6 3 0 2 13 1 0	7 3 0 8 26 1 0	1 6 3 0 3 15 1 0	7 3 0 5 13 1 0 0	1 7 2 0 1 8 1 0 1	2 5 2 0 9 1 0	2 5 2 0 8 12 1 0 3	3 7 2 0 11 6 1 0 4 3	2 8 4 0 1 5 1 0 8 2	3 5 2 0 8 1 0 5	2 7 3 0 9 1 0 4 0	3 8 2 0 4 7 2 0 3 0	4 6 1 0 4 1 3 1 1	6 3 1 2 7 1 1 1 3
21 22 23 24 25 26 27 28	1 2	1	0 2	Ţ	0	2 2	10 2	9		****	••••	- 0 - 0 - 0 - 0	ATA ATA ATA	INVA INVA INVA INVA INVA INVA	LID - LID - LID -	9	15		2	3	9	3		****	5
29 30	2	1	1	11	11	32	33	20	3	0	0	0	0	0	2	0	2	6 3	6	0 23	2 8	6 10	6	20	8
31	1	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	2	4	5	4	3	3	5	3	4	3	3	2	3	3	3	4	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 41.9 PERCENTAGE OF DATA INVALID - 24.1

PERCENTAGE OF DATA UNAVAILABLE - 34.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*" INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL MONTH - APR 77 HOUR В 12 13 14 15 16 17 2 3 4 5 6 7 8 9 10 10 8 6 11 5 2 2 3 1 2 20 9 5 7 13 8 6 7 9 5 7 3 5 10 7 4 11 2 6 1 7 10 9 3 3 2 1 12 13 14 15 16 17 18 19 20 22 1 3 2 6 1 4 7 0 5 3 6 5 5 10 4 6 2 6 6 10 2 7 12 29 2 28 1 22 23 24 25 26 27 28 29 30 17 3 0 0 4 20 3 0 0 39 21 20 0 8 0 3 0 12 3 10 2 5.3

PERCENTAGE OF DATA VALID - 97.9

PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS . PARTS/BILLION

	5	STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL														MO	NTH -	MAY	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	8	10	12	14	16	11	7	4	4	3	3	3	3	6	4	5	8	7	10					_
2	5	5	6	5	7	9	8	9	В	9	13	28	14	11	9	19	3	2	2	3	6	8	7	7	7
3	0	0	0	0	0	0		0		ŏ	0	ō	0	Ö	ő	ő	õ	ō	6	6	0	38	39	61	7
4	50	54	30	27	29	14	9	8	6	5	3	1	ŏ	ŏ	ŏ	ě		4	ě	5	0	38	39	61	12
5	2	1	1	1	2	1	2	2	7	4	5	5	6	3	3	2	2	19	5 6 0	11	12	14	14		12
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9	0				0	0	0	0	0	0	0					0				••••					
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										-			-	•	•	•			•	U	U				2
11		0	0	0	0	0	0	0	0	3	1	6	6	0	19		9	2	5	0	0	0	0		
12	0	1	0	0				2	20	14	9	22	9	10	11	4			6	3	15		2		2
13	0			0	0		0	ō	0	0	0					ō	0	0	ŏ	õ	0	0	õ	6	
14	0	0	0	0	0	0	0	0	ŏ	ō	0	0	0	0	0	ŏ	ŏ	ŏ	ő	,	٠	3	٠	Ÿ	0
15	1	1	1	1	1	1	1	ō	ŏ	3	9	9	ě	7	9	5	12	18	12	9	6	4	4	4	
16	2	2	2	5	5	6	- 1	ī	3	3	3	4	4	17	16	5	4	8	' 2	7	7	3	3		5
17	1	1	1	3	5	2	1	2	3	2	2	2	2	2	2	3	3		3	΄.		2	4	3	2
18	7	4	6	4	4	3	3	15	8	- 3	3	- 7	- 5	2	3	6	2	2	2	2	2	2		12	3
19	1	1	ĩ	1	1	ĩ	4	4	7		7	2	7		5	11	9	8	34	19	2		2	6	4
20	8	5	4	6	8	9	3	4	- 6	3	4	2	5	6	3	4	3	5	14	17	39 3	12	14		9
				=	10TE	-		-	-		30	-	-		-	-	3	3	14	17	3	12	14	16	7
21	22	30	35	25	24	27	15	В	7	11	12	8	7	6	2	3	18	25	11	21	35	40	51	41	20
22 23	41	33	8	7	13	12	7	2	2	2	7	5	13	18	16	7	9	9	14	9	32	38	38	33	16
23	33	40	37	27	11	3	10	11	12	15	10	12	13	14	14	16	16	15	8	23	19	10	5	4	16
24 25	11	1.1	10	11	12	11	9	12	12	21	25	8	8	16	23	22	13	16	16	7	11	6	9	9	13
25	16	16	13	10	10	4	3	10	11	5					363	0	0	0		8	0	ō	ò	ō	5
26	0	0	0	0	0	0	0	0	0	3	2	6	19	4	0	0		0	0 2 4 0	8	16	14	5	2	5 3
27	1	2	4	1	_ 1	1.1	13	15	22	1	0	0	4	0	1	10	0	0	4	0	39	29	26	58	10
28	53	38	49	62	21	17	15	4	1	13	0	3	0	0	0	0	0	0	0	0	ă	0	0	4	12
29	7	,	0	0	1	1	0	10	6	5	3	2	2	0	0	0	0	0 0	ō	ō	ő	ō	ō	ò	2
30	0	0	0	0	0	0	5	18		19	23	21	7	2	2	6	0	7	2	37	33	34	28	26	12
31	22	18	12	7	5	5	2	2	7	5	••••	2	10	13	0	14	0	0	0	1	3	3	5	0	6
MEAN	11	10	9	8	6	6	5	5	6	6	6	6	6	5	6	5	5	6	6	7	10	10	10	11	7.0

PERCENTAGE OF DATA VALID - 89.1 PERCENTAGE OF DATA INVALID - 9.8

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANI	25.	TOTAL	REDUC	CED S	ULPHUR	-GAS	EOUS					UNIT	S - P/	ARTS/8	ILLIO	N.							
	ST	ATION -	SE	NO	56068		SCHOOL	435	SECO	OND 5	T W 1	CORNWA	LL			MON	TH	JUN	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	10	0	4	0	0	0	0	0	0	1	2	4	2	4	5	3	3	1	2	5	*	-		•	
2	1.1	14	8	3	5	6	4	2	1	- 1	2	13	5	3	3	5	4	ż	5	3	- 4	2	7		3
3	0	0	0	0	o	0	1	0	0	0	0	0	1	ō	ŏ	ő	3	ž		3	•	10	á	14	•
4	9	7	3	0	1	1	0	0	12	11	14	16	22	17	13	9	ĭ	2	7	3	2	.0	•		2
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6	0	0	0	0	0	0	4	0	0	1					ž	ŏ	ŏ	0	ŏ	ò	- 2	ò	0	0	- 1
7	0	0	0	0	0	0	0	0	0	0	1	•	1	1	2	,	1	ŏ	ŏ	2		ö	3	ŭ	0
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9	0	9	5	11	0	0	0	1	2	1	1	õ	ī	ĭ	ř	- 3	0	2			ŏ			0	4
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11	0	0	0	0	0	0	0	0	0	0	0	4	0	3	o	0	٥	13	٥	0	1	0	0	1	
12	0	0	1	0	1	0	٥	5	4	6	0	0	0	0	0	0	0	0	o		ŝ	2	1	•	- 3
13	_1	0	0	0	0	0	0	0	4	4	3	3	2	4	4	3	5	2	3	5	3	2	3	26	
14	27	5	7	23	38	2	6		8	2	3	0	3	1	1	2	0	ō	7	9 5 0	ő	ō	ő	26	3
15	62	19	1	0	0	0	0	0	0	0	0	0	0	0	ò	ō	ŏ	ŏ	- 1	ă	2	4	4	45	- 1
16	31		19	. 9	17	19	7	2	3	1	16	6	17	13	14	17	21	4	3	3	14	- 0	-	45	
17	0	0	0	0	1	2	1	14	11	0	5	0	12	21		2	- 1	ò	ĭ	7	.0	1	ě	11	
18	,	4	15	18	3	0	2	12	0	-1	0	0	0	-0	3	ō	0	18	21	11	3	6	7	8	- 2
19	6	1	5	2	0	10	13	23	15	17	10	17	10	7	8	5	3	7	10	' '	2		÷	13	
20	8	1.1	6	1	2	1	2	2	5	11	29	36	21	29	32	8	28	13	8	2 27	15	20	22	26	15
21	8	17	4	0	0	0	0	1	2	••••	• • • •	0	1	1	1	1	2	0	0	o	1	1	2	2	,
22	2	4	4	2	2	1	1	1	1	0	0	0	0	0	0	1	2	1	0	o	27	25	27	30	
23	32	21	6	4	1	0	1	8	10	27	19	3	4	3	20	****	22	37		53	51	64	62	40	22
24	32		39	32	1.4	36	13	11	8	6	23	3	2			17	24	19	19	53 25	35	28	3	6	22
25 26	36		11	1	5	17	2	4	3	7	9	9	9	1	4	10	23	2	4	4	3	3	2	2	-0
26	4	6	2	2	1	1	1	1	7	4	9	В	14	5	5	13	22	16	13	17	44	27	11	23	11
27	23	20	6	14	7	12	14	8	11	10	7	5	8	8	2	7	10	15	8	10	82	77	31	31	18
28	46	46	27	36	12	11	15	1	9	8	3	3	10	7	10	10	20	21	6	11	25	34	18	7	17
29	0	1	1	1	46	48	3	. 1	9	5	17	21	14	6	2	2	6	14	13	2	3	12	10	14	10
30	28	29	32	40	26	7	36	24	24	35	32	29	37	17	23	9	1	4	16	28	30	26	10	ō	23
MEAN	13	11	8	7	6	6	5	4	5	6	8	6	7	6	6	5	7	7	5	8	12	12	8	12	7.5

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

	ST	ATION	- SE	NO	56068		SCH00	L 435	SECO	ND ST	W C	ORNWA	LL			MON	TH -	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	. 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	2 1 0 0 0	2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000	7 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 1 0 13	8	3 0 0 0 ****	4 0 0 1 0 25	3 0 0 1 0 8	2 0 0 1 0 0 0 4 * * * * 4	1 0 0 1 0 2	1 0 0 1 0	1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 7	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 2 0	0 0 3 0 6 3	2 0 1 2 0	2 0 1 2 0	2 0 1 0 0	2 0 0 1 0
9	8	4	5	2	2	2	8	16	14	8	1	4	0	0	0	7	0 5	0 5	0	6	4	3	2	0	3 2
11 12 13 14 15 16 17 18 19 20	1 0 2 1 3 1B 2 3 5	2 34 1 3 24 1 13 5 4	1 0 12 2 6 11 2 2 5 7	0 0 15 7 6 2 2 3 8 5	0 0 17 2 7 0 6 2 10 5	0 12 2 6 0 8 2 4	0 4 2 9 0 7 1 3 6	0	**** 0 **** 1 3 2 2 2 2 10 2	4 3 24 1 2 0 2 1 10	10 10 42 1 4 0 7 7 8	2 17 48 2 6 0 10 2 8	1 41 4 5 0 6 1 13	0 0 2 5 5 0 3 1 8 3	0 6 9 4 0 3 1 5	0 10 5 5 0 2 2 7 6	2 0 6 12 5 0 2 2 4 6	26 2 8 10 5 0 3 1 5 4	2 20 5 7 2 13 2 9	2 14 10 2 9 2	0 1 2 5 10 4 15 2 8	0 2 3 10 7 20 7 3 8	2 1 23 6 15 4 23 5	14 2 0 6 13 4 4 10 4	3 2 4 4 5 6 4 5 4 8 4
21 22 23 24 25 26 27 28 29 30	4 6 5 2 2 4 6	4 16 5 2 2 4 5	3 12 4 2 2 4 7	2 13 4 3 2 4 7	4 9 4 4	2 12 4 6 1 4 5	2	5 8 4 1 0 5 8	7 10 4 2	6 12 8 3 3	6 8 8 3 4	15 15 8 4 2 2	DATA 6 10 2 4 2		LID - 7 11 4 3 2 3 5	5	4 6 5	4 4 5 6	5 16 3 4 7	13 2 10 21		8 10 4 2 3 5 2	7 11 4 2 2 5 16 3	5 10 4 2 3 5 31 3	4 10
31	2		- (	2				3	0	1 5	0		0					9.5	-		0	1	7	4	
MEAN	3	5	3	3	4	3	4	4	4	2	D	0	4	3	3	3	-			, j	-				

PERCENTAGE OF DATA VALID - 87.1 PERCENTAGE OF DATA INVALID - 12.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LUTAN	T 1	TOTAL	REDU	CED S	ULPHUR	R-GAS	EOUS					UNITS	5 - PA	RTS/E	BILLIO	N							
	STA	TION	. SE	NO	56068		SCHOOL	435	SECO	ND ST	w	ORNW	LL			MON	TH :	AUG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	4 2 3 6 7 3 15 29 0 4	5 2 6 9 10 6 6 15 1	7 2 5 11 20 4 7 9	23 2 8 8 16 5 5 0 0	31 2 9 11 9 7 3 5 0 3	20 2 2 6 6 3 2 0 1 4	6 2 0 9 2 4 2 0 1 3	5 1 0 10 1 5 2 1 1 3	3 1 2 4 0 5 3 2 1	1 1 5 0 0 4 2 1 5	1 4 7 0 0 5 3 1	0 2 4 6 1 2 1 3 1 5	2 2 3 3 2 3	2 1 3 3 4 1 5 5	1 1 4 8 1 7 5	1 1 8 4 2 11 5 2	1 1 6 2 0 12 2 3	1 6 4 3 0 11 2	2 14 4 2 5 10 2 4	0 3 10 6 5 2 11 5 23	1 2 15 10 13 41 7 4 19	1 2 4 5 3 2 9 1 8 5 1	1 2 8 9 11 30 18 3 6	1 2 5 6 3 23 24 1 11	5 2 5 7 6 8 8 5 4 3
11 12 13	3	0	0	0	0	0	0	0	7 0	5	1			INVA		17	13	9	20		••••	9	 ••••		6
15 16 17 18 19 20	12 0 6 14 7	10 0 7 6 2	11 0 4 6 3	6 0 2 10	9 0 2 2 4	11 0 3 2 3	13 0 2 0 1	5 0 6 1	3  4 9	1 1 8 4	2  1 	2	1 6 2 4 3	2 6 2 3	4	4	14 1 2 2 4 2	12 3 2 3 4 2	10 1 12 2 0 2	2	17 3 14 2 1 4	18 1 9 2 5 9	16 0 10 5 1	15 0 8 15 1 3	4 4 3 4 4
21 22 23 24 25 26 27 28 29 30	3 1 7 11 1 10 12 4 4	1 21 5 1 10 5 3 5	3 1 16 4 1 8 36 4 5 2	6 16 3 5 8 26 4 6 2	6 2 10 4 4 1 4 3 7	3 7 3 3 1 2 4 8	3 5 4 13 3 1 7 2 11 1	3 9 0 4 1 2 7 2 4 1	1 4 0 4 1 3 7 3 3	1 5 0 3 1 3 4 3 2 1	3 8 3 2 2 3 2 3 ****	3 10 6 0 1 3 3 3 0 2	9 10 3 1 4 2 2	3 6 2 1 4 3 3	5 4 5 1 4 4 3	4 5 3 2 3 6 3 6	7 5 6 4 1 5 5 2 4 1	8 12 3 2 1 10 5 2 4	4 8 2 4 1 22 9 3 3	2 7 1 4 9 7 3	3 2 6 5 2 3 7 6 3 2	2354135332	2 5 5 2 20 2 4 3 3	2 8 7 2 9 14 8 2 3 2	4
31	2	2	2	1	1	1	2	9	19	8	1	2	4	2	2	2	2	3	6	4	4	5	7	12	4
MEAN	6	5	6	7	5	4	4	3	4	3	2	3	4	3	3	4	4	4	6	5	7	6	7	7	4.7

PERCENTAGE OF DATA VALID - 88.2 PERCENTAGE OF DATA INVALID - 11.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

	STA	TION	· SE	NO	56068		SCHOOL	435	SECO	ND ST	₩ (	CORNWA	LL			MON	TH - :	SEP	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
9	14	13	18	13	10	11	6	2	4	2	2	2	1	,			4	3		1.	. 40			141	_
2	8	6	6	2	2	2		2		12	3	5	7	4	5	-					27	2	20	1	2
3	1	1	1	2	ī	o	2	- 7	2	ō		2 2 0	2	- 7	1	1	1	•	٠	25	21	29	28	3	8
4	4	4	4	4	4	0	2 2 8	3	3	2	2 2	5	5	à	4	2	- 4		-	2	- 1	2	2	2	1
5	2	2	3	3	3	3	2	2	3	3	2	ō	2	2	2	2	ĭ	- 7	7	- 1	-		- 1	3	4
6	2	2	1	2	2	3	2	2	1	ĭ	ī	ĩ	- 7	2	2	2	2	2	- :	3	3	- 4	1	3	2
7	1	1	1	1	1	1	1	1	î	- 1	1		2	- 1	- 1		ō	ī	- 1	4	3	3	3	3	2
8	3	3	4	3	3	3	3	7	26	8	6	11	7	5	4	0	ž	1	1	5	8	4	2	3	- 1
9	1	2	2	3 2 6	1	2	2	3	4	6	5	7	4	5	5	8	8	9	9	6	6	-	4	3	2
10	7	8	6	6	6	7	3	2	6	5	16	11	11	8	9	7	4	2	2	2	2	6	2	7	5 5 6
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13	15	13	4	9	7	6	4	5	5	2		ĩ	10	7	10	4		6		8	2	2	8	11	7
13 14 15 16 17 18	4	3	3	3	3	3	4	4	5	5	6	6	5	6	6	-	13	5	7	3	5	4	4	5	5
15	1	1	1	- 1	1	2	3	3	3	3	3	2		2			3	3		2	- 3	1	- 1	1	4
16	0	2	5	0	0	2	4	ĭ	ĭ	ŏ	ĭ	17	7	ā	2		ř	2	1	2	4	3	1	1	2 2
17	0 3 7	2	2	2	1	1	2	2	- 1	ī		- 1	í		2	- 1	- 10	2	2	2	1	2	8	- 1	2
18	7	9	9	17	2	2	8	7	6	6	4	3	5	3 5	6	5	7	ě	8	7	10	32 6 18	7	13	7
19	24	38	23	21	22	20	26	9	2	1	1	1	2	3	4	ă	à	4		11	17	10	12	7	.,
20	4	4	9 23 2	2 17 21 2	2	20 3	26 3	4	4	4	4	4	3	4	4	4	3	3	4 3	3	2	3	3	2	12
21 22 23 24 25 26 27 28 29	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2
22	2	2	2	2	1	1	1	1	1	• • • •	• • • •	2	1	0	0	0	0	0	1	1	1	1	1	1	1
23	. 2	.1	. 1	. 1	1	1	1	1	2	2	2	2	3	2	3	2	2	1	2	2	2	2	2	3	2
24	14	18	13	13	11	5 2 2 5	2	2	3	2	4	2 3 2	8	12	13	2	1	1	1	2	5	4	3	5	6
25	4	3	7	3 10 3 4	. !	2	4	5	6	7	3	3	3	8	4	3	2	3	1	1	2	2	3	2	3
20	7	3	3	10	11	2	1	1	2	1	1		2	3	2	2	6	6 8 2	2	2	4	3	3	6	3
27	6 5 2	5	6	3	5	. 5	4	4	6	10	13	7	8	13	18	3	4	8	13 2 2	11 2 4	9	6	4	6	7
20	2	3	6	- 4	2		10	6	7	9	9	11	. 2		2	2	2		2	2	2	2	2	2	5
30	5	2	2	3	i	1 2	1 2	3	4	4	4	3	18	11	9	7	8	4	3	4	6	16	8	5	5 3
MEAN	5	5	5	5	4	4	4	3	4	4	4	4	4	4	4	3	3	3	3	4	5	6	4	4	4.2

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL MONTH - OCT 77 HOUR 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 2 3 4 5 6 7 8 9 10 3 3 12 2 3 35 0 4 2 2 2 3 3 20 3 2 3 2 38 3 6 14 25 2 3 2 3 12 13 14 15 16 17 18 19 20 20 3 5 1 0 2 2 2 3 23 4 5 4 5 4 37 5 2 13 3 22 23 24 25 26 27 28 7 2 15 4 4 12 3 27 40 4 2 16 24 71 29 3 6 20 5 2 MEAN 7 6 8 6 7 5 9 13 6.4

PERCENTAGE OF DATA VALID - 94.4

PERCENTAGE OF DATA INVALID . 5.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVA	ILABLE	
FEB		DATA UNAVA	ILABLE	
MAR	12	3.1	8	33
APR	30	5.3	17	59
MAY	28	7.0	20	62
JUN	30	7.5	23	82
JUL	26	4.3	14	48
AUG	27	4.7	8	41
SEP	30	4.2	12	38
OCT	29	6.4	1.7	116
NOV	30	5.0	15	54
DEC	30	1.5	8	20
YEAR	272	5.0	23	116

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

STATION - SE NO 56068 SCHOOL 435 SECOND ST W CORNWALL

MONTH	00 TO 10	11 TO 20	21 TO 27	28 TO 50	51 TO100	10170300	30170500	501&OVER	TOTAL
JAN		DATA UNAV	AILABLE						
FEB		DATA UNAV	AILABLE						
MAR	296	12	2	2	0	0	0	0	312
APR	637	49	7	9	3	0	0	0	705
MAY	516	90	21	30	6	0	0	0	663
JUN	543	80	37	40	8	0	0	0	708
JUL	587	48	7	6	0	0	0	0	648
AUG	591	52	7	6	0	0	0	0	656
SEP	657	45	В	4	0	0	0	0	714
OCT	594	56	23	22	6	1	0	0	702
NOV	627	66	9	11	1	0	0	0	714
DEC	706	23	0	0	0	0	0	0	729
YEAR	5754	521	121	130	24	1	0	0	6551

FREQUENCY DISTRIBUTION. PERCENT 50 70 90 95 98 99 MAX 2.1 4.4 11.6 18.3 28.8 36.9 116 ARITH MEAN 5.0

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

	STA	TION	- C	NO !	59055	1	E WEL	DON HS	RI	VERVIE	w RD/	/HWY3	6 LIN	NDSAY		MON	тн -	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	1.4	15	16	1.7	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9		51000000000	12 1 0 15 0 0 0 2 0 0	13 1 0 31 0 0 0	12 5 0 34 0 0 0 1 0	12 2 0 25 0 0 0	10 3 0 10 0 0 1 0 0	9408000300	7 4 0 7 1 0 0 1 0	4503100103	6351000304	2 B 1 1 0 0 1		1 0 1 0 0 0 0 1 0 3	1 0 3 0 0 0 0 0 4	120000004	0 0 0 0 0 1 0 4	0 9 0 0 0 1 0 4	0 0 5 0 0 0 0 1 0 4	0 0 0 0 0 0 0 3 0 4	1 0 7 0 0 0 0 3	0 0 0 0 0 0 0 3	1 0 4 0 1 0 0 0 0 3	1 0 4 0 1 0 0 0 0 3	5 1 4 6 0 0 0 1
11 12 13 14 15 16 17 18 19	0	0 1 2 0 2 3 2 0 0	10200000	13200000	1 0 6 0 0 0 1	1 1 2 5 11 2 0	1 1 2 2 1 4 0 0	1 0 1 4 0 2 0 0 3	1 0 1 0 10 9 0 0 5	2 0 1 0 4 3 0 5 5	2010040125	0 1 0 0 0 3 12 4	 	2 0 0 0 5 4 0 0	2 0 0 0 1 10 1 0	2 5 0 0 3 8 2 0	1 3 0 0 3 3	2 1 0 0 2 4 0 0	2 1 0 0 5 4 0 0	1 0 0 5 2 0	1 0 1 5 2 0 0	1 2 0 0 1 2 0	1 2 2 0 1 2 0 0	1 2 3 0 3 2 0 1	1 1 0 3 3 1 1
21 22 23 24 25 26 27 28 29 30													DATA DATA DATA DATA DATA DATA DATA	I NVAL	ID - ID - ID - ID - ID - ID -										
31			100											INVAL	. D -								4	1	1.8
MEAN	0	1	2	3	3	3	2	2	2	2	2	2	****	1	1	2	1	1	1	1	1	1	-1	1	1.8

PERCENTAGE OF DATA VALID - 54.8 PERCENTAGE OF DATA INVALID - 45.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 61.7

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION NO 59055 IE WELDON HS RIVERVIEW RD/HWY36 LINDSAY MONTH - APR STATION - C HOUR 9 10 11 12 13 14 22 23 24 MEAN DATA UNAVAILABLE 2 3 4 5 6 7 8 9 10 DATA UNAVAILABLE
DATA UNAVAILABLE - DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- \*\*\*\* 0 0 12 13 14 15 16 17 18 19 .... 22 23 24 25 26 27 28 29 30 0 2 0.2 MEAN 

PERCENTAGE OF DATA VALID - 37.6 PERCENTAGE OF DATA INVALID - 0.7
NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UN

UNITS - PARTS/BILLION

	STA	TION	- c	NO S	9055	1	E WEL	DON H	S RI	VERV16	W RD	/HWY36	S LIM	VDSAY		MON	TH - 1	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	3	5	4	3	o	0	2			0	0	6	10	7	4	0	2	3	2	0	2
3		0	0	0	0	0	0	0	0	0	0			0	1	4	4	0	3	0	0	0	0	0	1
4		0	0	0	0	0	0	0	0	0	0			0	0	0	O	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	4	6	10	4	1
6	****	3	2	0	0	0	0	0	0	0	0	0		0	5	3	3	3	1	0	0	0	5	0	1
7		0	0	0	0	0	0	0	0	0	0	0		3	4	0	2	0	0	3	9	20	4	5	2
8		2	0	0	0	0	0	0	O	0	0	0		4	3	2	3	1	0	0	0	0	0	0	1
9		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	• • • •	0	0	0	4	3	3	8	6	4	0	0	1
11		0	0	0	5	2	3	O	0	0	0	0		1	0	0	0	0	7	21	18	11	7	5	4
12		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
13		1	0	4	2	0	0	0	0	0	5	0		4	3	0	0	0	0	0	5	5	5	2	2
14		0	0	2	1	0	0	0	0	2	1	0		0	0	0	0	0	0	7	2	2	2	0	1
15		5	11	5	3	2	3	O	5	5	2	0	0	0	0	2	0	0	0	0	0	0	0	0	2
16		0	0	0	0	0	0	0	0	0	0	0		3	0	5	7	7	5	5	7	7	16	15	4
17	0	0	0	0	0	0	0	0	0	0	0	O		0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	• • • •	0	0	8	8	3	0	0	0	0	0	0	1
19		0	0	0	0	0	0	5	32	3	0			0	0	0	0	0	0	0	0	0	0	0	2
20	• • • •	0	0	0	0	0	D	5	6	2	0	0	• • • •	0	0	0	0	0	0	0	O	0	0	0	1
21		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0	• • • •	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	2	5	0	0	0	0		••••		0	0	0	O	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	••••	0	2	0	2	0	7	0	2	2	2	1	1
27		1	1	1	1	1	1	5	5	5	0	1	***	****	0	0	0	0	0	0	0	0	0	0	1
28		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	o	0	0	0	••••	0	0	0	0	0	0	0	0	0	0	0	0
30	• • • •	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
31	••••	0	0	0	0	0	0	0	0	0	0	0	••••	0	0	0	0	0	0	0	0	0	0	0	٥
MEAN	0	0	n	a	0	0	1	1	9	1	0	0	0	- 1	1	1	1	1	1	1	2	2	2	1	0.8

PERCENTAGE OF DATA VALID - 92.2

PERCENTAGE OF DATA INVALID . 7.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION IE WELDON HS RIVERVIEW RD/HWY36 LINDSAY MONTH - JUN 77 STATION - C NO 59055 22 23 24 MEAN 9 10 11 12 13 14 0 ···· 3 ···· 0 ···· 3 ···· 0 ··· 0 ·· 0 ··· 0 000000-00 0 ... 12 13 14 15 16 17 18 19 0 .... .... 22 23 24 25 26 27 28 29 0.2 MEAN

PERCENTAGE OF DATA VALID . 91.9

PERCENTAGE OF DATA INVALID . 8.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

STATION - C NO 59055 IE WELDON HS RIVERVIEW RD/HWY36 LINDSAY MONTH - SEP HOUR 12 13 24 MEAN DAY 3 4 5 o 0 .... .... 0 0 12 13 14 15 16 17 18 0 0 0 1 ... 22 23 24 25 26 27 DATA INVALID -DATA INVALID -DATA INVALID -DATA INVALID -29 30 MEAN 0 0 0 0 0.1

PERCENTAGE OF DATA VALID - 60.1

PERCENTAGE OF DATA INVALID - 38.2

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - C NO 59055 IE WELDON HS RIVERVIEW RD/HWY36 LINDSAY MONTH - OCT 77 HOUR B 9 10 11 12 13 14 15 16 17 18 24 MEAN DAY - DATA INVALID -4 5 6 7 8 9 DATA DATA DATA INVALID INVALID INVALID INVALID - DATA INVALID DATA 12 13 14 15 16 17 18 0 3 020000-0 0 2 0 3 0 0 .... 4 .... 0 .... 12 0 3 0 0 0 0 ···· 0 ··· 22 23 24 25 29 30 ŏ .... 0 \*\*\*\* .... 0.4 

PERCENTAGE OF DATA VALID - 57.8

PERCENTAGE OF DATA INVALID - 40.6

PERCENTAGE OF DATA UNAVAILABLE - 1.6

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION - C	NO 59055	IE WELDON HS	RIVERVIEW	RD/HWY36 LINDSAY	
-------------	----------	--------------	-----------	------------------	--

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	18	1.8	6	34
FEB		DATA UNAVAI	LABLE	
MAR		DATA UNAVAI	LABLE	
APR	11	0.2	1	5
MAY	31	0.8	4	32
JUN	30	0.2	1	10
JUL	31	0.4	2	7
AUG	31	0.1	1	4
SEP	19	0.1	1	6
OCT	19	0.4	2	12
NOV	28	0.2	1.	9
DEC	31	0.3	3	23
YEAR	249	0.4	6	34

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

STATION - C NO 59055 IE WELDON HS RIVERVIEW RD/HWY36 LINDSAY

A 5					720					
MONTH OO	TO 10	11 TO 20 21	TO 27	28 TO 50	51 TO100	10170300	301T0500	501 &OVER	TOTAL	
JAN	396	9	1	2	0	0	0	0	408	
FEB		DATA UNAVAIL	ABLE							
MAR		DATA UNAVAIL	ABLE							
APR	271	0	0	0	0	0	0	0	271	
MAY	678	6	1	1	0	0	0	0	686	
JUN	662	0	0	c	0	0	0	0	662	
JUL	736	0	0	c	0	0	0	0	736	
AUG	680	O	0	c	0	0	0	0	680	
SEP	433	0	0	c	0	0	0	0	433	
OCT	429	3	0	C	0	0	0	0	430	
NOV	638	o	0	C	0	0	0	0	638	
DEC	733	2	2	C	0	0	0	0	737	
YEAR	5656	18	4	3	3 0	0	0	0	5681	

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES			CONCEN	TRATIONS					
	OF DATA VALID	MIN	10	30	FREQUENCY 50				98	99	MAX	ARITH MEAN
	77.4	0	0.0	0.0	0.0	0.0	0.5	2.6	4.6	6.7	34	0.4

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

	ST	ATION	- NW	/ NO	61026	3	56 KIN	WG ST.	DR	DEN						MON	тн	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1.7	18	19	20	21	22	23	24	MEAN
1	****						74	27	57	9	22	4	4	8	0	2	1	0	0	0	0	0	0	O	12
2	O	0	0	0	0	0	0	O	0	0	4	18	18	12	7	12			4	7	1 2 0 0	14	13	7	6
3	4	3	2	3			3	2	0	0	0	0	0	0	1	1			0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	1	1	1	2	4	3		••••	0	O	0	0	8	24	2
5	6	4	1		1	****	1	1	4	5	0	0	0	1	2	2	-		0	0	0	O	1	0	1
6	0	0	3	10	3		0	O	6	3	9	16	17	45	26	17			2	2	3	4	4	3	8
(		2	0	0	0		0	0	0	0	0	0	0	O	0	1			0	0	0	0	0	0	0
8	14	0	0	0	.0	***	- 1	1	O	0	.1	3	19	50	21	42			***	19	21	12	19	24	14
10	0	24	1.1	20			20	12	8	2	10	4	3	2	1	1			0	0	0	0	0	0	7
10	O	O	O.	0	0	***	0	0	O	0	0	0	0	0	0	2	2		4	2	0	1	1	2	1
11	5	9	4	3			9	5	1	0	0	2	0	0	0	0	0		0	0	0	0	0	0	2
12	O	O	0	0		0	0	0	0	0	0	0	0	0	0	O	O	Q	0	0	0	0	0	0	0
13	0	O	0	0			0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	O	0	0	0		0	0	0	O	0	0	0	0	0	0	1			0	0	0	0	0	1	0
15	2	2	2	2			4	2	23	7	2	4	0	5	16	1 1	4	0	2	1	0	0	0	2	4
16	1	1	0	0		***	0	0	O	0	0	0	0	0	1	0	0		0	0	0	0	0	0	0
17	0	0	0	G	0	***	1.1	3	6	1	2	2	8	6	8	12	22		24	43	23	23	22	18	11
18	27	27	25	17	6	* * * *	1	2	-1	0	0	0	0	1	0	1	1		0	0	1	28	34	9	8
19	26	16	1.1	4		* * * *	29	1.1	8	18	11	16	4	1	2	16	8		21	4	0	0	37	36	13
20	164	41	29	5	6	***	12	4	32	21	11	14	6	6	2	9	13	••••	0	0	0	0	0	0	17
21	0	0	0	0			1	1	1	0	3	7	11	7	3	3		0	0	0	0	0	0	0	2
22	0	0	0	0			0	0	0	0	0	2	2	1	11	1	0		0	0	0	0	0	.0	0
23	0	0	0	0			0	0	0	0	0	0	0	0	1	1	1		0	0	0	0	O	0	0
24	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	0
25	0	0	0	0			0	0	0	0	0	0	0	0	o	0	0	0	ō	ō	0	ō	0	0	0
26	0	0	0	0	0	****	0	9	1.6	7	В	5	1	3	0	0	0	0	0	0	0	0	0	0	0
27	7	4	3	1.	0	0	0	0	0	0	0	0	0	0	0	0	0		0	7	2	3	1	4	1
28	19	19	24	6	2	****	21	8	0	0	0	0	3	1	2	2	3		55	42	53	35	50	42	18
MEAN	10	6	4	3	2	0	7	3	6	3	3	4	3	5	4	5	5	0	4	5	4	4	7	6	4.5

PERCENTAGE OF DATA VALID - 93.2 PERCENTAGE OF DATA INVALID - 6.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	NT - T	DTAL	REDU	CED SU	LPHUR	- GASE	ous				i	JNIIS	- PA	RT5/B	ILLIO	N							
	STA	TION	- NW	NO 6	61026	5	6 KIN	G ST.	DRY	DEN						MON	тн -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	Ü	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	21 46 0 0 74 0 10	24 58 20 0 0 14 0 0	35 6 127 0 0 23 0 0	29 5 9 0 23 0 0	11	00000	26 45 37 0 0 2 0	47 22 18 0 0 11 0 0	36 14 4 0 0 0 3 0	11 9 0 0 0 0 39 0	24 4 0 0 0 17 0 12 0	23 4 0 0 0 0 4 0 17 0	50 3 0 0 15 7 0 60	43 5 0 0 14 50 0 52	38 6 0 0 40 25 2 45	72 15 0 0 10 9 0 56	3 0 0	0 0 0	78 16 0 0 0 0	22 19 0 10 0 0 0	10 0 0 0 6 0 0 0 1 0	4 25 0 0 6 0 0 0 0 0	41 600 42 00 200	66 0 0 23 0 7 2	39 15 11 0 4 12 7 0 12
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0 6	120005	0 0 0 0 29 14 0 0 6	0 0 0 85 11 0 0 9	0 0 0 42 14 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3 3 9 0 0 5 2	0000150053	0 0 0 0 42 6 0 0 25 0	0 0 0 0 28 7 0 0 18 4	2 0 0 21 12 0 23 9	4 0 0 44 14 0 83 8	9 0 0 25 3 0 71 3	8 0 0 0 1 4 4 0 0 4 6 4	14 0 0 0 14 9 0 0 44 7	5 0 0 21 11 0 18 47 9	2 0 0 0 8 10 0 **** 60 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 9 18 0 4 20 2	0 0 0 71 7 43 0 0 17 21	0 0 12 4 34 0 0 17 21	0 0 33 6 33 0 0 6	0 0 0 1 6 2 0 0 7	0 0 0 0 0 0 0 0 1 4 1 2	2 0 0 5 22 12 0 5 23
21 22 23 24 25 26 27 28 29 30	46 1 59 0 0 0 0	37 40 0 0 0 0	25 46 00 00 40 00	15 0 71 0 0 0 0	520001000	00000000	0 0 11 0 0 0 87 0	0 0 30 0 0 0 14	0090000000	0 0 14 0 0 0 0	000000000000000000000000000000000000000	2020000000	000000000	0030000	000000000000000000000000000000000000000	0	6 0 4 0 0 0 0 0 0 0 0	00	2000000000	7 2 0 0 0 0 0 0 0 0 0 0	50 4 2 0 0 0 0	44 8 0 0 0 0 0 0 0 0	44 38 0 0 0 0 0 0 0 3	45 17 0 0 0 0 0	14 3 15 0 0 0 5 0
31	10	15	83	39	9	0	0	0	0	0	0	0	0	0.	0	0	0	0	0	O	0	0	0	0	7
MEAN	9	7	13	1.0	7	0	8	7	5	5	4	7	8	8	8	9	7	5	5	7	5	6	7	6	6.9

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - NW NO 61026 56 KING ST. DRYDEN MONTH - APR 77 HOUR 9 10 1.1 17 18 24 MEAN 0 0 9 2 0 0 4 0 2 ... 0 ... ••••• 34 0 0 0 26 4 0 0 36 0 0 0 0 0 18 0 56 0 0 0 0 0 58 0 7 0 0 0 0 11 0 3 34 0 0 3 3 2 3 4 5 6 7 8 9 0 0 0 25 0 21 0 4 0 0 2 1 1 7 0 3 7 8 0 0 0 7 0 21 0 12 0 14 3 0 0 0 .... 0 .... 12 13 14 15 16 17 18 19 20 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 17 0 0 0 18 0 0 0 0 0 2 5 0 0 0 2 2 0 0 1 0 1 5 1 3 0 10 0 4 2 12 0 28 0 ···· 10 ···· 16 ···· 37 ···· 0 ···· 11 ··· 9 .... 0 .... 50 .... 48 .... 42 .... 38 28 0 21 0 4 0 6 22 23 24 25 26 27 28 0 12 0 0 14 0 0 4 0 12 0 0 39 7 0 1 14 0 0 8 0 27 0 21 0 10 0 6 0 31 0 4 0 7 6 0 0 0 0 0 2 0 17 30 0 44 0 0 44 48 0 27 0 68 2 3 0 0 1 1 1 0 0 0 2 1 0 0 109 2 18 1 4 2 0 64 0 22 29 1 0 44 0 0 2 1 3 4 13 15 11 48 0 42 21 0 6 0 10 0 4 1 0 2 58 3 4 3 0 30 112 ō ō MEAN 4.B 

PERCENTAGE OF DATA VALID - 92.9

PERCENTAGE OF DATA INVALID . 7.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTAN	T - T	OTAL	REDU	CED S	ULPHU	R-GASE	ous					INITS	- PA	RTS/B	ILLIO	N							
	STA	ATION	- NW	NO	61026	,	56 KI	NG ST.	DR	YDEN						MON'	TH -	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	IEAN
1	8	4	4	7	5		5	5	3	3	4	3	2	6	5	5	5		7	15	36	90	74	18	14
2	27	28	15	26	24		36	9	9	6	2	1	1	2	7	1	1		2	3	3	ō	o	o	9
3	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		ō	ō	ō	ō	o	o	ŏ
4	0	0	0	0	0		0	0	0	0	0	0	0	a	0	0	0		õ	ō	ō	ō	ŏ	ŏ	ō
5	0	0	0	0	0		0	0	0	0	0	0	0	a	0	0	0	0	ō	Ď	ŏ	ŏ	0	ō	ŏ
6	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		ō	ō	ŏ	18	4	0	- î
7	0	0	15	2	0		0	39	44	29	29	32	34	51	53	44	88		14	17	37	39	17	28	28
8	17	0	5	21	8		0	0	0	29	29	0	O	0	0	0	0		o	1	2	1	0	ă	3
9	0	0	0	0	0		0	0	0	0	0	o	o	0	o	o	0		ō	Ó	ō	o	ō	ō	ŏ
10	0	0	0	0	0	••••	0	0	0	0	0	0	0	0	0	0	0	• • • •	ŏ	ō	ō	ō	ō	ō	ŏ
13	0	О	0	0	0		0	О	0	0	0	0	٥	o	0	19	4		34	39	4	3	1	0	5
12	0	0	0	0	1		21	42	16	16	62	61	19	42	44	42	50		11	1	7	1	ò	ŏ	20
13	1	7	32	2	1		0	0	1	0	0	24	10	32	14	53			- 1	5	6	6	4	1	9
14	0	0	0	0	0		0	0	0	0	0	0	2	16	D	0	0		1	ĭ	ĭ	ŏ	0	ò	ĩ
15	0	0	0	0	0		0	0	ō	0	ō	ŏ	ō	ō	ŏ	ō			ò	ò	ò	ŏ	ŏ	ŏ	o
16	0	0	ō	0	0		ō	ō	ō	ŏ	1	1	ĩ	1	ŏ	13			12	36	ŏ	ŏ	ŏ	ŏ	5
17	ō	ō	ō	ō	0		ō	ŏ	ŏ	ō	Ö	ò	ò	3	3	2			ō	ő	ŏ	ŏ	ō	ŏ	ŏ
18	o	ō	ō	ō	ō		ō	ō	0	ŏ	ō	ŏ	ŏ	ŏ	ŏ	ō			ŏ	ŏ	ŏ	ĭ	3	ŏ	ŏ
19	3	ō	o	ō	ō		ō	ō	ŏ	ō	ō	ŏ	ŏ	ō	ŏ	ŏ			ŏ	ŏ	ŏ	o	ō	ŏ	ŏ
20	ō	ŏ	ŏ	ō	ō		i	ŏ	ŏ	60	40	30	6	27	22	50			ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	12
21	0	0	0	0	0		0	0	2	32	26	25	31	30	28	70	77		11	16	0	0	o	0	16
22	0	0	o	ŏ	0		ō	ō	ō	ō	0	-0	0	0	15	0			2	7	2	2	ő	ŏ	1
23	0	0	ŏ	O	7		3	2	2	2	20	7	12	3	4	4			ō	ó	î	ī	1	2	3
24	ō	ŏ	ŏ	ō	ó	0	ŏ	ō	ō	ō	ō	ó	ō	ŏ	ō	ō			ŏ	ŏ	ó	ò	ò	ō	,
25	ō	ō	ŏ	ŏ			ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ			ŏ	ö	ŏ	ŏ	ŏ	ŏ	ŏ
26	ŏ	ŏ	ŏ	ŏ	200		ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ő	ŏ			ĭ	ĭ	Ö		14	31	Š
27	6	ŏ	ŏ	ŏ			ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ			8	3	Ö	2	0	0	:
28	ŏ	9	2	ŏ			ő	ŏ	ō	ŏ	ŏ	ŏ	ŏ	ŏ	õ	ŏ			ö	ō	Ö	ö		ŏ	2
29	ŏ	ő	ő	ŏ			ő	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ			ŏ		o		0		2
30	ō	ō	ŏ	ő		• • • •	ő	ŏ	Ö	ŏ	2	23	5	14	23	25	3	0	ŏ	0	Ö	0	0	0	4
31	4	6	36	0	0		0	0	0	2	7	2	5	3	0	0	0	••••	7	8	7	11	9	0	5
MEAN	2	2	4	2	1	0	2	3	2	5	6	7	4	7	7	11	12	0	4	5	3	6	4	3	4.6

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 7.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/BILLION POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS 56 KING ST. DRYDEN MONTH - AUG 77 STATION - NW NO 61026 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 6 7 B 9 10 HOUR DAY 7 ···· 5 ···· 0 0 4 5 9 \*\*\*\* 13 .... ....6 6 67 0 3 0 13 47 0 29 7 13 0 12 4 0 0 3 .... 0 .... 13 .... 3 .... 40 0 .... 0 80 2 86 8 91 0 ... 11 0 0 0 6 9 0 13 0 8 13 0 4 o 11 0 0 .... .... 14 11 0 :::: 17 13 4 2 0 4 6 0 5 0 ...4 :::: 49 4 0 14 7 16 3 2 6 3 4 4 13 14 15 16 17 18 0 6 0 3 9 0 10 0 3 0 9 0 5 17 6 o 15 6 0 12 0 0 4 0 2 6 4 6 .... 0 .... 23 ···· 11 ···· 37 ···· 3 .... ....o 18 15 0 0 0 21 3 0 0 23 ···· 37 ···· 0 ···· 0 ···· 0 ···· 24 25 26 27 28 29 ...0 0 .... 0 0 34

9 11

PERCENTAGE OF DATA VALID - 86.6

0 2 0

MEAN

PERCENTAGE OF DATA INVALID - 13.4

0 \*\*\*\*

PERCENTAGE OF DATA UNAVAILABLE - 0.0

8 14

 0 \*\*\*\*

7 6 5

6.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

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a 

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

0 ....

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION MONTH - SEP 77 STATION - NW NO 61026 56 KING ST. DRYDEN 5 6 7 8 9 10 11 12 13 14 15 HOUR 1 2 3 4 16 17 18 19 21 22 23 24 MEAN DAY DATA 15 INVALID 2 \*\*\*\*\*\* 0 0 6 1 0 0 0 0 0 8 0 0 17 0 0 0 0 n 0 ... 0 .... 12 13 14 15 16 O O O o o o O 19 20 0 ... 0 .... 22 23 24 26 27 o o .... MEAN 1 1 0.3

PERCENTAGE OF DATA VALID - 88.1

PERCENTAGE OF DATA INVALID - 11.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - NW NO 61026 56 KING ST. DRYDEN MONTH - DEC HOUR DAY 24 MEAN 2 3 4 5 6 7 8 9 0 0 0 0 0 0 0 19 0 6 2 0 0 0 0 0 34 1 0 0 0 0 0 0 5 0 0 0 0 0 3 7 5454000. 5451000. 3 13 0 0 1 0 0 3 0 3290000.00 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 00000:0000 00-00000+0 19 00 00 0 88 1 0 0 0 0 41 0000000 6 0 23 0 0 0 0 0 0 0 0 26 0 0 0 0 0 0 . 0 

1 1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

1.4

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.3

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

4 2 3 2

MEAN

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

2 1 0

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

	51	ATION	- NW	NO.	62030	1	PORTA	AGE/CH	HURCH	ST	FORT	FRANÇE	\$			MON	NTH -	JAN	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0		12	7		
2	11	12	8	7	6	5	4	0	ŏ	ō		4	8	ě	6	4	4	4	11	15	18	11	5	6 5	1
3	4	6	3	3	1	2	2	4	4	0	1	0	0	ō	ŏ	0	0	4		2	,,	3	3	4	á
4	4	4	6	10	13	20	10	13	8	4	5	7	7	5	5	š	4	4	3		- 1	0	ŏ	ä	- 2
5	0	0	O	1	2	2	6	4	4	12	8	7	7	20	10	7	0	0	ő	ò	33	43	22	4	
6	4	7	8	4	0	0	0	0	0	0	0	5	7	7	6					• • • •	****			****	
7	••••	••••	• • • •	• • • •	• • • •								****							0	0	0	0	0	
В	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ŏ	ō	6	16		1
. 9	65	33	35	33	36	19	8	4	3	8	3	0	0	0	0	0	0	0	ō	ō	ŏ	ŏ	ō	.ŏ	10
10	0	0	0	0	5	5	4	2	0	1	0	0	0	0	.0	0	0	0	0	ō	ŏ	ŏ	ō	ŏ	1
11	1	2	4	В	7	9	11	14	11	6	8	13	14	4				_	_				-		
12	o	ō	ō	ŏ	ó	ő	3	9	5	7	12	22	12	7	0	0	0	0	0	0	0	0	0	0	5
13	0	0	o	ŏ	ŏ	ŏ	ŏ	ő	2	ó	'n		3	2	13	8	ō	0	0	0	0	0	0	0	4
14	3	4	13	15	5	4	ŏ	ŏ	000	ŏ		9	Ö	ő	0	0	ő	0	0	0	٥	0	0	0	1
15	ō	o	0	0	õ	ō	ŏ	ŏ	ŏ	ő	ŏ	ŏ	ő	ő	0	0	0	0	0		٥	0	0	0	2
16	0	ō	Õ	ŏ	ŏ	2	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	0	ő	0	0	ò	0	0	0	0	0	0
17	2	2	0	ō	ō	ō	ō	ŏ	õ	ŏ	ŏ	ŏ	ŏ	****	****		****			0		0	0	0	0
18			• • • •							ŏ	ŏ	ŏ	ŏ	0	0	4	4	4		4			67	****	
19	13	8	4	0	0	0	0	0	0	••••			ŏ	ŏ	ŏ		0	ō	õ	0	9	25	0	58	
20	0	0	0	0	o	0	0	ō	ŏ	0	0	0	ŏ	ŏ	ŏ	ŏ	ő	ŏ	ő	0	0	0	ő	0	ò
	_	_													_	-		-		•		•	•		·
21	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1
22	7	0	_0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	3	14	29	36	40	91	9
24	82	57 0	22	19	15	11	6	0	0	Q.	0	0	0	o		0	0	0	0	0	0	0	0	0	9
25	ö	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	12	3	Ö	0	0	0	0	0	0	0	0	5	11	8	46	57 0 0	55 0	63	53	65	71	76	42	23	24
27	ō	2	ő		4			3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	ő	0	ő	0	ō	7	11	ő	0	ő	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	ŏ	ŏ	Ö	ő	ő	0	ŏ	ő	0	ő	0		ŏ	0	0	0	0	0	0	0	0	0	0	0	0
30	ŏ	ŏ	0	ő	ŏ	ŏ	ő	ŏ	Ö	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
	-	_		J		•	U		U			U	U		Ü	U	0	U	0	0	0	0	0	0	0
31	0	0	0	0	0	٥	o	0	0	0	• • • •	••••	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	7	5	4	3	3	3	2	2	1	1	1	3	2	2	3	3	3	3	3	3	6	7	7	8	3.6

PERCENTAGE OF DATA VALID - 92.9 PERCENTAGE OF DATA INVALID - 7.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

	SI	MOITA	. WM	NO	62030		PORT	AGE/CH	HURCH	ST	FORT	FRANCI	ES			MON	TH -	FEB	77							
HOUR DAY	t	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0 8	0	0	0	0	0	0	0	0	2	2	6	3	3.	2	0	0	3			-					
1 2 3 4 5 6 7 8 9	8	3	0	0	4	10	43	31	30	26		****	****			****	****	****			3	0		3		3
3													DATA	INVAL	D -										2 70500	-
4														INVAL												
5														INVAL												
6													DATA	INVAL	D -											
7												-	DATA	INVAL	D -											
8												-	DATA	INVAL	D -											
9												-	DATA	INVAL	D -											
10												-	DATA	INVAL	D -											
11													DATA	INVAL	n .											
12														INVAL												
13														INVAL												
13 14 15 16														INVAL												
15														INVAL												
16														INVAL												
17														INVAL												
18														INVAL												
19														INVAL												
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21														INVAL												
22														INVAL												
23														INVAL												
24														INVAL												
25														INVAL												
26														INVAL												
27														INVAL												
28	****	****		••••	****		****	••••	••••	****	••••			****				0	0	0	0	3	0	0		٠
MEAN	4	2	0	0	2	5	22	16	15	14	2	6	3	3	2	0	0	2			_		_			_
		_			-	-		. •					3	3	-	U	U	2	2	4	2	2	0	2	4.	В

PERCENTAGE OF DATA VALID - 6.1 PERCENTAGE OF DATA INVALID - 93.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. . INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

	STA	ATION	· NW	NO I	62030		PORTA	GE/CH	URCH	ST F	ORT F	RANCE	s			MON	ITH -	MAR	77						
HOUR	1	2	3	4	5	6	7	. 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 20 0 0 0 2 35 107 36	0 21 0 0 0 3 18 182 184	3 22 0 0 0 3 38 242 15	6 19 0 0 0 4 53 116 19	0 0 0 0 0 3 42 59 8	0 12 0 0 5 113 82 23	3 9 0 0 4 90 51 28	20 8 0 0 0 4 269 56	7 11 0 0 0 4 101 20 22	8 7 0 0 7 18 28 26	5 7 0 0 14 81 11 21	5 4 0 0 7 13 45 26	2 0 0 0 61 58 152 24	0 6 0 0 38 8 96 27	0 3 0 0 3 64 8 78 26 0	0 3 0 3 59 6 82 22	0 0 0 1 46 4 94 16	4 0 0 1 4 30 125 14	17 0 0 0 0 5 35 41 10	4 3 0 0 21 9 94 27	21 5 0 0 132 15 67 3	27 4 0 0 0 116 13 47 19	24 0 0 0 0 220 39 30 13	27 0 0 0 2 152 167 14 162 0	8 0 0 41 53 80 26
11 12 13 14 15 16 17 18 19	0 0 25 0 0 23 0 13	0 0 0 5 0 17 0 59	0 0 11 18 0 21 0 54	0 0 0 3 13 0 3 0 5 0	0 0 28 3 0 0 3 0	0 0 27 3 0 0 6	0 0 1 8 1 2 0 0 0 1 3 0	14500080	95 200020	0 0 107 0 0 0 0	0 0 217 0 0 0 0 ****	0 0 47 0 0 0	39 00 00 60	0 0 36 0 0 0 8 13	0 0 45 2 0 0 64 13	0 0 33 3 1 0 11 17 0	0 0 104 1 0 0 6 4	0 0 42 3 0 0 3 2	0 0 0 13 2 0 0 13 0 0	0053300500	00038101900	0 0 4 2 4 1 0 131	0 0 0 0 0 2 0 84	0 0 0 0 41 0 88 0	0 0 38 4 2 3 25 10
21 22 23 24 25 26 27 28 29 30	0 20 0 0 0 0 3	0 85 0 0 0 0 10 0	0 27 0 0 0 0 14 0	0 28 0 0 0 4 0 0	10 121 0 0 0 0 18 0 0	18 295 0 0 0 14 0 0	22 108 0 0 0 3 18 0 0	13 95 0 0 0 54 0	13 42 0 0 0 0 29 0		17 44 0	0	106 0 3 0 0 0 42 0	130 0 0 0 0 0 30 0	40 0 7 0 0 0 32 0	34 0 4 0 0 32 0	47 0 0 0 0 0 12 0	26 0 0 0 0 0 3	39	109 0 0 0 0 0 0	236	720000000000000000000000000000000000000	166 0 0 0 5 0	106 0 0 0 0 8 0 0	55 34 2 0 0 3 21 0
31	0	0	0	3	4	6	13	13	28	23	17	22	15	18	30	25	10	22	25	0	0	0	0	0	11
MEAN	9	14	15	9	10	19	13	18	12	15	18	8	16	13	13	3.1	12	9	6	12	16	14	19	25	13.7

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- 71	OTAL	REDUC	CED SI	JUPHUR	R-GASE	ous				1	UNITS	- PA	RTS/B	ILLIO	N							
	ST	ATION -	NW	NO 6	62030	,	PORTAG	GE/CHL	RCH S	ST FC	ORT F	RANCE	s			MON	тн -	APR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
		o	D	0	0	O	1	2	3	5	10	0	0			23	0	0	O	0	0	0	0	0	2
1	0			0	Ö	0	o	õ	ŏ	0	0	0	0	0	0	0	0	0	0	0	1	1	3	9	1
2	0	0	0		ő	0	1	ŭ	1	2	o	o	o	0	4	34	27	36	65	19	2	0	0	0	9
3	14	12	0	0	ő	ő	ò	o	o	ō	0	0	****						0	0	0	0	0	٥	0
4	O	0	0			0	3	o	Ö	o	Ö	o	2	2	2	2	2	2	2	2	2	2	2	2	1
5	0	0	O	3	2	- 4	3	3	3	8	3	5	9	9	7	10	24	8	55	58	0	0	0	0	9
6	2	2	2	1	1	1	n	~	0	0	0	0	0	ő				0	0	0	0	0	0	0	0
7	0	0	0	O	0	0		0		56	47	32	5	20	6	0	0	0	ō	ō	O	0	0	0	45
8	4	15	5	49	151	168	269	176	68				15	20	0	2	ŏ	ŏ	ŏ	ŏ	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0	0	40	0	0	o o	ō	ő	ő	ő	o	ō	0	0	0	1
10	0	3	6	0	0	0	0	0	8	3	2	3	U	0	U	U									
							27	2	125	160	~	~			•	0	0	a	0	0	0	0	0	0	U
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o o	ő	ő	14	8	9	2	ō	0	1
12	0	0	0	0	0	0	0	0	0	O	0	0	0	0	0		0	0		ő	0	ō	ŏ	0	0
13	0	0	0	0	0	0	0	0	0	0	a	0	0	0	0	0			0		-	ő	ŏ	0	ō
14	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	ő	0	0	ĭ
15	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6	****		••••	0	0	0		0	0	ń
16	0	0	0	0	0	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0		100	9
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	32	82		6
18	47	14	72	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	o	0	O.	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	
20	o	ő	0	0	0	2	5	3	3	3	0	O	2	25	28	26	42	16	1	30	157	74	28	115	23
20		~				-																		_	
21	95	174	28	15	72	133	93	40	19	7	15	3	0	0	0	0	0	0	0	0	2	0	0	8	29
22	10	8	9	3	0	0	0	0	0	0	****			****		0	0	0	0	0	0	0	0	0	2
23	0	****	0	41	7	2	o	o	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	2
24	0	0	0	0	ó	ō	0	o	Ď	0	0	0	0	0	0	0	0	0	0	0	0	7	5	3	1
24	U	·		0	0	2	9	0	2	2	4	4	2	1	17	2	2	2	0	0	0	0	0	13	3
25	1		2	0	0	0	ő	0	6	****		1	2	11	- 1	0		2	3	73	30	12	7	3	8
26	11	16	0			0	0	0	0	0	0	ò	Ô	0				0	0	0	0	0	0	0	1
27	22	2	6	0	0		0	0	0	ő	ō		ő		Ö	120	0	0	Ō	ō	0	0	0	0	0
28	0	0	0	0	0	۵		****	****	****	****												****		
29	0	7	1.1	58	0	0							DATA	TANZA	LID -										
30												-	DATA	11441	-10										
MEAN	7	9	5	5	8	11	14	8	4	3	3	3	2	3	3	4	4	3	5	7	7	5	5	9	5.7

PERCENTAGE OF DATA VALID - 91.1 PERCENTAGE OF DATA INVALID - 8.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

	Si	ATION	· NW	NO	62030	)	PORTA	GE/CH	HURCH	ST F	ORT F	RANCE	S			MON	TH -	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1														INVAL											
2														INVAL											
3													DATA	INVAL	ID -									20	
4	• • • •	••••		••••	••••	• • • • •	••••	••••	••••	••••	••••		••••			****	••••	••••	••••	••••	••••			0	
5	0	0	0	0	0	0	0	0	10	38	13	23	41	22	8	2	0	0	0	0	0	0	0	0	7
6	••••	••••	10	8	0 57	48	0	0			0	0	0	8	0	0	0	0	ő	0	23	0	0	5	10
8	0	0	2	35 5	5/	48	4	D	14	16	ó	0	ò	ő	0	Ö	ő	ő	0	0	23	ó	ŏ	0	10
9	0	0	8	0	0	0	0	0	14	42	9	11	3	3	0	Ö	ő	0	0	0	0	0	0	57	6
10	27		98	35	57	19	16	13	0	42	0	0	0	0	0	0	ő	0	0	0	0	0	0	0	13
10	21	40	38	35	3/	19	10	13	U				0	· ·	0	U		U		U					
1.1	0	0	36	2	0	9	83	3	i	2	3	5	10	10	16	35	51	23	44	17	85	158	177	255	43
12	148	75	111	139	98	80	45	17	12	14	32	51	32	79	41	5	20	27	16	81	225	246	170	207	82
13	93	204	100	108	34	170	173	5	5	14	12	10	2	0	0	0	0	0	0	0	- 0	0	0	0	39
14	0	0	0	0	0	0	1	2	ō	0	0	20	98	38	77	33	BO	88	54	5	45	18	0	0	23
15	2	2	ō	0	0	0	0	0	ō	0	0	0	0	0	0	1	3	2	128	22	8	0	0	0	7
16	0	0	0	0	0	0	37	71	75																
17												27	18	80	1	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1	0	1
19	0	0	0	0	0	0	0	0	0	1	50	59		35	20	27	0	0	0	0	0	0	0	0	10
20	0	0	33	17	30	20	24	11	2	6	5	7	29	11	7	36	65	80	70	88	7	65	223	114	40
21	210	169	102	91	63	35	97	91	38	26	41	37	15	66	9	77	41	34	8	15	5	0	0	0	53
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	25	45	8	0	57	7
23	31	104	118	35	20	10	14	13		2	4	• • • •	0	0	2	2	1	2	0	0	46	1.1	16	134	25
24	234	145	28	38	14	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
25	0		0	0	0	0	0	0	0	2	0	16	17	15	20	2	0	0	0	0	0	0	0	0	3
26	0			0	0	0	0	0	0	0	20	11	10	11	15	11	7	6	0	0	0	0	23	0	5
27	0			0	0	0	0	0		80	36	6			41	78	74	6	20	88	93	0	0	0	25
28	38		5	6	14	0	0	0		9	3	0		0	11	7	4	23	6	4	0	0			6
29	6		2	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	13	0	0	3
30	1	0	15	11	8	5	30	60	3	2	0	0	0	0	٥	0	0	0	0	0	2	13	0	2	
31	3	11	0	0	0	0	0	0	0	0	0	••••	••••	••••	••••	••••	• • • •	••••	0	0	1	0	2	1	1

MEAN 32 32 26 20 15 18 20 11 9 11 9 12 13 16 11 14 14 12 13 14 23 21 24 31 17.6

PERCENTAGE OF DATA VALID - 82.1 PERCENTAGE OF DATA INVALID - 17.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	REDUC	ED S	ULPHL	R-GAS	EOUS					UNITS	- РА	RTS/B	ILLIO	N							
	ST	ATION	- NW	NO	62030		PORTA	GE/CH	URCH	ST F	ORT F	RANCE	s			MON	тн -	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 177 0 0 4 94 20 0	0 0 128 0 0 2 103 8 0	0 8 79 0 0 0 140 0	0 5 130 0 0 0 158 2 0	0 3 41 0 25 0 69 0	0 7 76 0 11 0 21 0 2	0 8 10 1 38 0 236 0 79	0 18 12 2 0 56 0 56	0 29 10 0 0 11 0 95	0 4 0 0 0 0 0 64	0 2 9 1 0 0 0 0	0 4 33 6 0 0 0 12 63	0 3 1 0 0 0 0	0 6 0 0 0 0	0 0 17 0 0 0 0 2 0	0 34 2 0 0 0 3	26 20 00 0 6 6	0 0 9 1 0 0 0 0 4 37	0 30 0 0 0 0	0 0 41 14 0 0 0	19 0 16 4 0 0 0 0 0 0	23 0 6 0 0 0 0	7 6 0 0 0 6 0 0 2 8 0	0 9 0 0 41 2 0 5	2 4 37 1 3 2 37 1 20
11 12 13 14 15 16 17 18 19	0 0 0 0 12 0	0 0 0 0 16 0	0 0 5 0 16 0	0 0 15 0 65	0 0 0 0 0 10 1	0 0 0 0 50 3	0004086	000000	00000	000000000000000000000000000000000000000	000000000000000000000000000000000000000		DATA	O O O O O O O O O O O O O O O O O O O	D -	0 0 21 0 32 0	0 79 0 6	0 0 54 0 9	0 0 2 0 5 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 2 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 7 0	0 0 0 0 17 0	0 0 7 1 4 7
21 22 23 24 25 26 27 28 29 30													DATA DATA DATA DATA DATA DATA DATA DATA	INVALII	D - D - D - D - D - D - D - D - D - D -										
MEAN	18	15	15	22	9	10	23	9	9	5	10	7	3	2	2	6	8	7	3	4	3	3	3	5	8.5

PERCENTAGE OF DATA VALID - 54.2 PERCENTAGE OF DATA INVALID - 45.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

														10.00 A.O. (10.00)											
	ST	MOITA	- NW	NO	62030		PORTA	GE/CH	URCH	ST F	ORT F	RANCE	S			MON	(TH -	SEP	77						
HOUR	1	2	3	4	5	6	7	В	9	10	10	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 25 5 27 7 0 1 0 2	0 70 0 1 0 0 1 0	0 83 25 0 0 0 2 0 4	0 88 76 0 0 0 3 0	1 163 6 0 0 0 5 0	0 92 14 0 0 0 3 0	0 55 6 1 0 0 0 21 3	0 38 0 2 1 0 2 0 13	0 6 0 1 0 0 4 0 2 5	0 17 1 0 0 0 4 0 0 5	0 12 37 3 0 0 4 0	10 13 42 4 0 0 2 0	1 6 7 2 0 0 2 0 7	37 1 0 2 0 0 2 0 0	121 2 0 2 0 0 2 0 0	78 2 17 2 0 0 0 0	0 0 0 0 0	10 0 11 5 0 0 0 0	300000000000000000000000000000000000000	4000000000	23 0 26 0 0 0 0	68 0 4 0 0 0 0	42 0 6 0 0 0 0 0 1 2	45 7 64 0 0 0 0	
11 12 13 14 15 16 17 18 19	••••			10	57	169	108	27	18	10	55		DATA DATA DATA DATA DATA DATA	18 INVAL INVAL INVAL INVAL INVAL INVAL INVAL	ID - ID - ID - ID - ID -		••••	653	-	-	-	100	-		
21 22 23 24 25 26 27 28 29 30	0 0 0 0 10 0 94 1	0 0 0 0 0 6 0 77 4	0 0 0 0 6 0 63 0	0 0 0 0 0 6 0 118 0	0 0 0 0 0 0 9 9	0 0 0 0 0 1 0 158 0	0 0 0 0 1 1 5 0 0	0 0 0 0 0 0 0 5 8 0	000000000000000000000000000000000000000		000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 87 0	0 0 0 0 3 0 0 0 22	0 17 0 0	00008000	0 0 0 4 0 0 36 1	0 0 0 0 9 0 0 21 6	000000000000000000000000000000000000000	30 0 0		0 0 0 0 11 0 16 4	0 0 0 0 19 0 119 2 0	0 0 4 2 6 52 1
MEAN	8	в	9	14	16	21	16	7	2	3	5	9	6	7	8	7	1:	3	2	2	5	11	4	12	7.9

PERCENTAGE OF DATA VALID - 66.8 PERCENTAGE OF DATA INVALID - 33.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	REDU	CED S	iu L PHU	R-GAS	EOUS					UNITS	- PA	RTS/B	ILLIO	N							
	ST	ATION	- NW	NO	62030		PORTA	GE/CH	IURCH	ST F	ORT F	RANCE	s			MON	TH ·	OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0 76 36 137 87 21 0	0 63 10 39 259 15 0	0 50 31 24 175 18 0	0 36 15 52 73 15 0	0 44 0 32 68 16 0	0 26 37 25 45 0 0	0 6 48 28 15 0 0	98 29 15 0 0 253	0 11 28 5 2 0 0 0 346		0 27 52 0 0 0 250	0 31 11 3 0 0 0	0 78 7 6 0 0 73	0 81 15 1 0 0 61	0 56 17 0 0 0 22	0 77 7 8 0 0 5	0 0 150 0 1 0 0	0 1 31 0 0 0 7 7	0 208 0 4 0 0 20 51	0 0 182 38 14 0 0 295	0 0 427 253 8 0 0 0 213	:::: ::::	4 14 470 0 11 0 0 0	24 14 480 18 0 0 0	1 16 118 36 36 4 0 1
10 11 12 13 14 15 16 17 18 19 20	161 0 0 29 9 13 110 13 5 120 70	78 0 0 15 0 173 67 0 177 84	30 6 62 0 0 182 102 4 278 160	38 0 18 98 1 8 205 158 4 262 186	36 0 13 106 10 14 68 27 0 155 185	32 0 38 117 13 3 239 34 12 115	28 0 79 118 28 0 148 54 12 278 107	28 0 10 86 25 0 31 35 11	16		19 0 10 151 8 0 29 8 5 106 4	12 0 10 190 3 0 61 8 2 109 6	10 4 5 141 4 1 140 24 2 95 5	2 4 6 161 1 131 28 1 127 2	1 175 5 0 126 56 2 92	0 1 3 133 6 0 108 7 3 126	10 5 0 130 4 0 165 0 94	0 8 48 162 3 0 97 0 0 111 23	2 202 171 3 0 5 0 1 8 52	9 62 158 13 25 12 8 1 5	6		0 97 2 8  34 10 136 121 20	0 117 9 8 •••• 22 11 111 76 56	23 2 37 111 8 3 104 31 16 132 57
21 22 23 24 25 26 27 28 29	42 1 0 0 133 3 191 283 0	15 10 0 58 0 45 194	0 9 4 5 85 0 31 33 0	0 8 4 1 35 2 38 91 0	9 6 0 1 25 5 26 33 0	41 4 0 2 24 40 6 43 0	6 22 0 2 162 24 2 54 0	3 23 0 2 97 9 10 4 0	19 		2 4 10 48 94 14 2 27 0	2 21 43 168 18 3 27 24	4 1 30 133 132 14 4 21 22 0	5 1 11 121 142 12 7 43 5	2 0 19 56 177 9 5 34 2	3 0 9 64 162 43 6 13 2	2 1 3 21 177 112 4 7 0	1 2 2 5 192 273 2 5 0	0 1 20 175 100 10 3 0	0 0 162 175 65 75 4 0	0		7 0 102 6 212 29 0	12 0 96 4 155 46 0	7 5 6 44 111 54 27 46 3
31 MEAN	0 50	5 42	0 42	0 43	0 29	0 36	0 42	31	24	••••	141 33	139 33	27 32	16 32	16 29	13 26	3 29	1 32	2 34	50 46	61		53	**** 51	23 37.3

PERCENTAGE OF DATA VALID - 87.2 PERCENTAGE OF DATA INVALID - 12.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA 15 UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

79.6

0.0

0.0

0.0

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

WN - NOITATE	NO 62030 PORTAGE/	HURCH ST FORT FRANCES		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	3.6	24	91
FEB	t	4.8	2	43
MAR	31	13.7	80	295
APR	28	5.7	45	269
MAY	25	17.6	82	255
JUN	16	8.5	37	236
JUL	27	14.9	61	262
AUG	30	24.3	128	476
SEP	20	7.9	52	169
OCT	31	37.3	132	480
NOV	30	28.0	115	309
DEC	28	3.9	23	92
YEAR	294	15.4	132	480

#### ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

UNITS - PARTS/BILLION STATION - NW NO 62030 PORTAGE/CHURCH ST FORT FRANCES MONTH 00 TO 10 11 TO 20 21 TO 27 28 TO 50 51 TO100 101T0300 301T0500 50180VER TOTAL JAN FEB D MAR APR MAY JUN JUL AUG SEP OCT NOV DEC YEAR FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT
50 70 90 95 ARITH MEAN OF DATA VALID MIN MAX

4.5 43.7

94.9 161.7 209.1

15.4

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNIIS - PARTS/BILLION

	PU	LLUIA	91 -	IVIAL	REDU	CLD -	OLITIC		2005					oareno no											
	ST	ATION	- N	W NO	62032		CEMET	ERY C	OLONIZ	ATION	RD V	. FOR	T FRA	NCES		MONT	Н - Р	EΒ	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7	0 0 1	0 0 0 2	0 0 0 2	0 0 0 2	0 0 0 0	0 0 0 2	0 0 0 2	0 0 0 3	0 0	0 0 0 0	00000	- DAT. - D 0 0 0		0 0 0 0 0		00000	0 0 0 0 0	0 0 0	0 0 0	00000	00000	00000	000000	00000	0 0 0 1 0
8 9 10	0 0 21	0 0 45	0 0 23	0 0 29	0 0 23	0	0	0	0	0	000	2	0	0	0	0	0	0	0	3	0	40	129 0	0	7 6
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0 24 2 0	0 0 0 0 0 16 1 0 0 0	0 0 0 0 12 1 0	0 0 0 0 70 0 0	000018000	0 3 0 0	0 0 2 10 0	0	0 0 2 2 0 0	000000000	0 0 0 0 0 0 0 0 2	000000001	600000000	29 0 0 0 0 0 0	4 0 0 0 0 0 0 0 0 0 0	800000000	15 0 0 0 0 0 0	12 0 0 0 0 0 0 0	15 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 0 0 0 0	6 0 0 3 0 1 0 0 0 0	4 0 0 0 1 1 0 0 0 0	0 0 0 0 2 1 2 0 0 2 2 2	0 0 0 0 22 1 0 0	4 0 0 2 7 0 0
21 22 23 24 25 26 27 28	000000000000000000000000000000000000000	0 0 0 0	8 0 0 0 0 0	0000			0 0	0		0000000	0000000	0000000	0000000	0000000	00000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000	0 0 0 0	0 0 0 0 0	00000	00000	000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0
MEAN	2	3	2	,	2	2 0	) 1		0	0	0	0	0	1	0	0	1	0	1	0	0	2	6	1	1.2

PERCENTAGE OF DATA VALID - 90.0 PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*-\* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	REDU	CED S	ULPHU	R-GAS	EOUS					UNIFS	- PA	RTS/E	ILLIO	N.							
	ST	ATION	- N	W NO	62032		CEMET	ERY C	OLONI	ZATIO	N RD	W., FC	RT FR	ANCES		MON	TH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													DATA	INVAL	n -										
2			O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	0	0	2	1
3	0	0	0	0	0	0	0	o	ō	o	0	o.	0	0	0	0	0	0	0	0	O	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	a	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	O	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	4	2	3	1
7	3	2	3	3	4	4	1	0	0	3	0	0 5	3	3 0	1	0	0	0	4	7	7	8	9	0	3 3
8	2	2	1	4	5	6	4	5	6	3	4	5	3	3	2	1	1	0	6	3	0	0	0	0	3
9	0	0	0	0	4	0	0	0	0	4	0	0	0	3	0	0	2	2	5	10	21	5	9	12	6
10	16	10	5	2	3	O	2	- 1	2	4	2	4	3	3	4	4	2	- 2	3	10	21	J	-	1.40	
11	23	3	2	2	0	0	0	0	1	10	1	1	0	0	2	4	1	1.	1	1	3	1	3	4	2
12	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0					****		****	****	****	****	****	
1.4														INVAL											
15				-	-			-	_					INVAL				0	0	0	0	0	D	n	
16		****	2115	0	0	0	0	G	0	****				INVAL				O	O	U	U	U			
1.7														INVAL											
19				20 00			****	****		****				****						****	0	0	0	0	*****
20	0	0	0	0	0	0	0	0			****						* * * *			0	0	0	0	0	*****
8.7					_	-	_		. 2000 a. V				33.9	NAME OF TAXABLE PARTY.	2011										
21	0	0				0		****	+ + + + +														0	0	*****
23	0					0		****	****															****	
24	9.				U	9						-		INVAL											
25														INVAL											
26												196	DATA	INVAL	10 -										
27														INVAL											
28														INVAL											
29												-	DATA	INVAL	ID -										
30												-	DATA	INVAL	10 -										
31													DATA	INVAL	ID -										
MEAN	3	1	1	- 1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	2	4	1	2	2	1.1

PERCENTAGE OF DATA VALID - 44.1 PERCENTAGE OF DATA INVALID - 55.9 NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

	51	ATION	i - N	W NO	62032	2	CEME	TERY (	COLON	ZATIO	N RD	W. FC	ORT F	RANCES		MOI	NTH -	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	50	21	22	23	24	MEAN
1	****	••••		• • • •	• • • •	0	4	2	2	1	1	1	0	2	1	2		3	3	0	1	1	D	0	1
2	0	0	0	0		0	1	2	2	1	1	1	1	1	0	0		0	o	3	10	30	o	1	2
3	0	0	0		1	1	2	2	3	- 1	1	1	1	2	2	2		1	ī	1	1	- 1	ī	o	- î
4	0	0	0	0		0	0	1	1	0	1	2	0	0	ō	0		0	o	ò	25	40	5	13	à
5	15	0	0	0		8	3	10	2	0	0	o	0	0	0	0		3	ŏ	ō	0	0	ŏ	.0	3
6	0	0	0	0		0		1	1	1	11	0	0	0	ō	0		1	1	ŏ	1	6	10	0	2
7	0	0	0	0		0	0	0	4	14	11	2	2	1	1	0		1		3	- 1	1	27	11	4
8	9	2	0	0		0	0000	0	0	0	0	0 0 0	- 7	•	ò	ő		ò	2	ő	ò	ò	0	5	- 7
9	13	55	6	30		ō	0	0	Ö	ō	ō	ŏ	9	i	3	- 1		6	3	11	18	ĭ	ĭ	35	9
10	43	63	51	53	31	9	15	29	27	12	7	7	4	13	18	31	• • • •	2	15	17	22	25	9	0	
11	1	11	17		••••	0	0	0	٥	0	1	3	2	3	2	2	• • • •	5	3	6	o	0	0	0	3
12	0	0	0		••••	1	19	17	27	21	23	14	0	4	14	2		4	3	10	22	25	17	49	12
13	48	23	19	38	• • • •	21	8	1	2	3	1	6	11	20	9	2		0	0	2	0	6	12	8	11
14	11	4	3		••••	0	0	0	0	4	1	1	1	1	1	0		0	0	ō	1	- 1	1	3	
15	6	14	29	32	••••	12	30	6	3	14	14	15	4	5	2	0		1	1	2	2	8	7	2	10
16	1	1	1	1	••••	0	0	0	0	0	0	0	0	0	0	0		Ó	0	ō	ō	ō	ò	ō	.0
17	0	0	0	0		0	0													****	****			****	
18												28	DATA	INVAL	ID -										
19													DATA	INVAL	ID -										
20													DATA	INVAL	ID -										
21														INVAL											
22														INVAL											
23														INVAL											
24													DATA	INVAL	ID -										
25														INVAL											
26													DATA	INVAL	ID -										
27													DATA	INVAL	ID -										
28													DATA	INVAL	ID .										
29														INVAL											
30	••••	••••	••••	••••	• • • •		••••	••••	0	0	0	0	0		0	0	••••	0	0	0	0	0	0	0	•••••
MEAN	9	11	8	10	16	3	5	4	4	4	4	3	2	3	3	2	••••	2	2	3	6	9	5	7	5.0

PERCENTAGE OF DATA VALID - 51.4 PERCENTAGE OF DATA INVALID - 48.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - PARTS/BILLION

					0.000000	New York																			
	S	MOITAT		W NO	6203	2	CEME	TERY I	COLON	ZATI	ON RD	W. FC	RT F	RANCES		MON	TH -	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1	0	0	0	0		0	О	0	0	0	0	0	0	0	0	3		0	0	٥	0	٥	0	0	0
2	0	0	0	0		0	0	4	6	1	0	14	18	12	24	29		28	2	2	43	13	16	9	10
3	7	0	0	0		0	0	0	0	0	0	0	0	0	0	0	****	1	2	1	1	1	1	0	1
4	0	14	8	37	****	4	5	3	5	1	5	4				4	0	O	0	C	19	16	0	0	6
5	12		15	10	4	0	0	****		****				****	• • • •	****					****		****		*****
6					****			****		****			0	0	0	0	1	1	1	2	1		1	0	*****
7	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		0	0	0
8	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		0	0	0
9	0	٥	1	1	0	0	2	7	3		0	0	5	10		0	0	0	0	1			1	3	2
10	12	48	27	48	58	51	42	53	34	••••	51	22	28	13	25	29	23	34	42	27	20	••••	35	52	35
11	15	2	8	32	9	4	1.1	4	15		8	15	0	0	0	0	0	0	0	23	46		0	0	9
12	0	o	ŏ	0	ō		0	0			0	o	ō	ŏ	0	Ď	0	ŏ	ŏ	-0	Ö		ŏ	ŏ	ő
13	22	7		8	3		28	18	16		28	19	12	13	25	11	4	7	1	20	10		2	ō	13
14	11	11	17	o			0				0	o	0	0	25 0	0	0	o	ó	1	ō		ō	ō	2
15	0	0	0	0			0	0	0		0	0	0	0	0	0	0	0	0	0	ŏ		59	36	4
16	35	47	22	26	1		28	7	0		0	0	0	1	1	12	3	0	ō	ō	ō		0	0	11
17	0	0		1			0	o			4	7			o	0	9	10	19	24	53		o	0	6
18	0	0	0	0		0	0	0	0		2	4	5	5	15	12	7	17	8	6	5		20	4	5
19	0	1	30	1			29	0	0		ō	0	1	0	15 5	21	30	1	ō	ō	ō		0	4	6
20	0	0	1	0	0			0	0	••••	0		0	0	1	0	0	0	ō	ō	ō	••••	O	0	Ō
21	0	0	0	0	0	0	0	0			0	0	1	,	1	0	2	0	0	0	0		2	4	7
22	6	1	ő	9			ō				ŏ		ó	ó	ó	ŏ	1	ŏ	ŏ	ŏ	ŏ		ō	o	2
23	0	Ö		ō									ō	ō	ō	ō	0	ō	ŏ	ō	ŏ		ō	ō	ō
24	0	0		6						****	0		0	0	0	ō	0	1	4	3	- 1		5	2	2
25	1	2	1	2		3	0				o		0	ō	0	ō	0	0	0	ō	ò		0	ō	ī
26	0	0	0	0			0				0		0	0	ō	0	0	0	ō	ō	ō		0	o	0
27	0			ō							o		0	3	4	15	1	5		28					4
28			-						_				DATA	INVAL	ID -				-		-				
29													DATA	INVAL	10 -										
30													DATA	INVAL	10 -										
31													DATA	INVAL	10 -										
MEAN	5	5	5	7	5	7	6	4	3	1	4	3	3	2	4	5	4	4	3	5	8	8	6	5	4.7

PERCENTAGE OF DATA VALID - 75.7

PERCENTAGE OF DATA INVALID - 23.9

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. . INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT . TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - NW NO 62032 CEMETERY COLONIZATION RD W. FORT FRANCES MONTH - OCT 77 HOUR 3 4 5 6 7 8 9 10 11 12 13 14 16 17 18 19 24 MEAN 0 .... 0 .... 0 .... 0 .... 6 .... 0 .... 0 .... 0 .... 0 .... 0 .... 0 .... 5 .... 4 .... 21 .... 0 0 0 0 0 0 0 0 0 0 0 0 0 3 9 0 0 0 0 0 23 0 0 0 5 4 21 13 0 0 o ŏ 0 ... 3 \*\*\*\* 00. 13 0 .... 0 0 0 13 14 15 16 17 18 19 20 13 0 15 0 0 0 0 .... 0 2 0 0 0 .... ó ō ò ó 55 7 0 .... 22 23 24 25 26 27 28 29 30 6 13 2 16 3 12 12 0 0 0 0 12 0 0 0 0 10 24 5 5 24 0 2 8 5 0 0 0 6 14 2 0 0 0 0 0 2 9 7 0 24 2 0 0 0 6 45 57 13 0 10 0 0 0 0 0 0 21 15 23 12 .... 0 \*\*\*\* 

PERCENTAGE OF DATA VALID - 91.7

5 5

MEAN

PERCENTAGE OF DATA INVALID - 8.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

3.6

2 ....

3 3

1 2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. .. INDICATES DATA IS UNAVAILABLE

4 0

3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4 5 4 3 1 2

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - NW NO 62032 CEMETERY COLONIZATION RD W. FORT FRANCES MONTH - NOV 77 HOUR 4 5 9 10 11 12 13 14 16 17 18 0 .... 0 50 8 12 11 0 \*\*\*\* 0 6 3 13 22 0 21 47 6 38 0 .... 0 1 3 18 23 0 22 31 15 0 24 26 34 0 0 11 15 18 0 0 5 15 2 0 0 12 31 16 0 4 43 24 0 6 14 0 3 16 3 25 11 4 .... 0 0 12 ····· 24 ···· 3 ···· 2 ···· 0 ···· 0 ···· 0 ···· 12 13 14 15 16 17 18 19 20 0 .... 22 2 2 40 24 79 67 22 5 13 17 2 16 33 0 0 0 31 0 3 0 0 0 0 5 1 58 8 15 0 0 0 0 2 0 13 0 46 0 0 0 20 11 17 3 0 0 0 2 15 0 11 0 0 0 0 4 4 0 5 0 6 54 0 0 14 0 0 16 21 0 .... 0 .... 0 .... 22 23 24 25 26 27 28 0 .... 0 .... 0 .... 0 .... 24 .... 0 .... 17 .... 0 6 0 26 0 0 0 3 3 0 0 0 0 2 1 3 3 4 33 0 0 0 20 0 2 0 2 0 32 0 ō 4 1 MEAN 4 6 4.5

PERCENTAGE OF DATA VALID - 89.7

PERCENTAGE OF DATA INVALID - 10.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS

UNITS - PARTS/BILLION

STATION -	NW NO 62032 CEMETERY	COLONIZATION RD W. FORT F	RANCES	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAV	AILABLE	
FEB	24	1.2	7	129
MAR	11	1.1	6	23
APR		DATA UNAV	AILABLE	
MAY		DATA UNAV	AILABLE	
JUN	16	5.0	22	63
JUL	25	4.7	35	59
AUG	29	3.1	17	99
SEP	29	4.7	18	77
ост	31	3.6	25	69
NOV	29	4.5	20	86
DEC	31	1.3	9	45
YEAR	225	3.3	35	129

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	U.S. 0.000		entranti ile elentran								
POLL	UTANT -	TOTAL RED	OUCED SULP	HUR-GASEOU!	s		UNITS - F	PARTS/BILLI	ON		
STA	TION -	NW NO 620	32 CE	METERY COL	ONIZATION F	D W. FORT	FRANCES				
	MONTH	00 TO 10	11 TO 20	21 10 27	28 TO 50	51 TO100	10110300	30170500	501 80VER	TOTAL	
	JAN		DATA UNA	VAILABLE							
	FEB	584	9	6	4	1	1	0	0	605	
	MAR	323	3	2	0	0	0	0	0	328	
	APR		DATA UNA	VAILABLE							
	MAY		DATA UNA	VAILABLE							
	JUN	309	31	12	14	4	0	0	0	370	
	JUL	480	35	13	27	8	0	0	0	563	
	AUG	580	22	12	19	5	0	0	0	638	
	SEP	556	33	18	25	9	0	0	0	641	
	OCT	608	31	17	22	4	0	0	0	682	
	NOV	547	49	19	26	5	0	0	0	646	
	DEC	639	12	2	2	0	0	0	0	655	
	YEAR	4626	225	101	139	36	1	0	0	5128	
FRE		DISTRIBUT:	ION BY PER	CENTILES		CONCE	NTRATIONS				
		OF DATA	MIN	10	FREQU 30 50	JENCY DIST	RIBUTION.	PERCENT 95	98 99	MAX	ARITH MEAN
		70.3	0	0.0	0.0 0.0	0.0	9.5	21.1 36	6.5 46.7	129	3.3

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION CAN-CAR BLDG MONTREAL ST. THUNDER BAY MONTH - JAN STATION - NW NO 63046 24 MEAN 1.1 16 17 HOUR DAY 0 2 3 10 0 4 12 13 14 15 16 17 18 19 20 Ó n 6 2 5 3 ô 0 7 22 23 24 25 26 27 28 29 0 3 0 15 0 0 0 0 0 0 0 0 0 0 7 3 3 0 2 0 5 1 0 0 13 0 0 0 0 0 0 o 1.2

PERCENTAGE OF DATA VALID - 98.8

MEAN

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - NW NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY MONTH - FEB HOUR DAY 24 MEAN В 13 14 8 0 5 0 ó .. 12 13 14 15 16 17 18 19 20 0 0 0 0 4 22 23 24 25 26 0 0 28 MEAN 

PERCENTAGE OF DATA VALID - 94.2

PERCENTAGE OF DATA INVALID - 5.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/BILLION POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS CAN-CAR BLDG MONTREAL ST. THUNDER BAY MONTH - MAR 77 STATION - NW NO 63045 16 17 18 19 20 21 22 23 24 MEAN 9 10 11 12 13 14 HOUR 0 0 0 4 13 3 22 0 0 0 0 0 0 0 4 21 0 1 2 0 0 0 0 0 5 13 0 204000011-0 1 2 3 4 5 6 7 8 9 10 0 0 0 2 0 0 21 0 0 6 5 0 0 0 1 7 0 2 0 15 0 12 13 14 15 16 17 18 19 0 0 0 1 1 0 3 0 1 0 0 3 0 0 0 3 0 5 0 ₩000000000 N000000000 ~000000000 00000-000 22 23 24 25 26 27 28 29 30 .00000000 11 0 t 1.0 MEAN

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- T	OTAL	REDUC	ED S	JLPHUR-	GASEO	US				B	UN] TS	- PA	RTS/BI	LLION								
	STA	TION -	NW	NO	63046	(	CAN-CAR	BLDG	MON	TREAL	L ST.	THUN	DER	BAY		MONT	н - м	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1.7	18	19	20	21	22	23	24 ME	
1 2 3 4 5 6 7 8	00000101	0 0 0 0 0 1 1 1	0 0 0 0 0 0 3 2 1	00300000	0 3 0 0 0 0	002000033	0 0 0 0 3 0 1 3	0 0 1 0 0 2 0 0 2	0040000044	0 1	000000000000000000000000000000000000000	0000010000	0000000000	00000000000	000000100	0000000000	0000000000	0000000000	000000000	00400-0000	0000040000	0000000000	0000000000	00000000	0 0 1 0 1 1 0
10 11 12 13 14 15 16 17 18	0 4 0 3 1 0 0 0 0 0	9 0 10 8 1 0 1	0 1 0 6 10 0 2 1 0 0 0	0 7 3 0 7 3 0 8 0 0	0 8 0 0	8 0 3 20 0 11 0 0	0 11 0 0 9 0 5 0	0 8 0 1 3 0 2 0 0 7	7 0 2 3 0 5 0 0 15	302008	8 0 4 0 0 4 0 0 5	2080010000	0000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000000	0000000000	000000000000000000000000000000000000000	000000000	013000000000000000000000000000000000000	0 4 1 0 0 0 0 0 0 0 0 0 0	040000000000000000000000000000000000000	3 2 2 0 3 0 0
21 22 23 24 25 26 27 28 29 30	0 8 0 0 5 4 2 0 0 0	0 13 0 0 8 4 4 0 1	0 8 0 0 11 9 13 0 0 0	0 9 0 9 9 1 0 4 0	15 0 0 5 5 0 4	0 9 0 0 4 12 0 9	0 4 0 0 9 4 1 0 2 5	0300460015	1 0 0 0 11 11 0 7 6	2 0 0 0 12 7 0 0 4	0 0 0 1 5 0 0 1 1	000000000000000000000000000000000000000	000000000	000000000	000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0 6	0000010005	1000060004	15 0 0 0 0 5 0 0 0 12	17 0 0 0 0 9 0 0 0 5	6001280003	2 3 0 0 3 5 1 0 1 3
MEAN	1	2	2	2	2	3	2	2	3	2	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID . 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ".... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION STATION - NW NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY MONTH - JUL 77 HOUR 24 MEAN 0 0 0 0 3 0 2 31 0 0 0 1 2 0 5 8 5 12 2 3 4 5 6 7 0 0 0 0 17 12 3 0 16 0 0 1 6 2 12 13 14 15 16 17 18 19 n 0 0 13 2 0 0 0 0 0 0 0 15 2 7 0 00000-00 0 2 0 0 0 0 0 16 8 0 9 15 0 0 0 0 5 22 23 24 25 26 27 000000m 0 3 4 10 0 2 22 5 3 14 15 9 2 Ó 29 30 MEAN o a 

PERCENTAGE OF DATA VALID - 94.0

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 4.3

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION NO 63046 CAN-CAR BLDG MONTREAL ST. THUNDER BAY MONTH - AUG HOUR DAY 2 1 0 4 2 0 12 0 5 0 8 2 1 0 0 0 1 0 1 5 2 0 4 3 DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE 12 13 14 15 16 17 18 19 20 DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE
DATA UNAVAILABLE
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DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE 22 23 24 25 26 27 28 29 30 - DATA UNAVAILABLE -MEAN 0 1 2.9

PERCENTAGE OF DATA VALID - 16.7

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 82.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL REDUCED SULPHUR-GASEOUS UNITS - PARTS/BILLION

	S	TATION	- NW	NO	63046		CAN-C	AP R	LDG MC	NTRE	LST	THE	NDER	BAU		MOL	тн -	NOU	77						
			13.0	110	03040		CAN	. m. D	LUG MIC	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		. Im	MUEN	DAT		MUN		NOV	11						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	8	1	3	0	0	2	4	4	3	2	0	0	0	1	0	0	0	o	0	0	0	0	0	2
2	0	0	1	2	2	1	0	2	1	2	5	4	1	ŏ	ò	ō	ō	ō	ĭ	ŏ	õ	2	3	ī	7
3	0	0	0	2	2	0	0	0	0	2	6	4	12	3	15	4	4	11	2	ŏ	ŏ	ō	ŏ		3
4	(*)			*	((a)	192	0.20									0	0	0	ō	ō	ō	o	0	0	
5	0	0	1.	3	0	0	0	0	0	0	0	0	0	0	0	ŏ	0	0	ō	ō	ō	2	4	4	1
6	5	6	13	10	2	2	3	4	1	3	1	1	0	0	ō	0	0	o	0	ō	ō	ō	0	0	2
7	0		0	0	0	0	0	0	0	0	0	0	0	0	ō	ò	0	o	ō	0	ō	0	0	0	ā
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	0	ō	0	0	0	0
9	a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00000	0	ō	0	3	0	0
10	0	0	D	0	0	0	0	0	0	0	0	0	0	D	0	0	0	0	Ó	0	ō	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	D	0	0	0	0	0
12	0	0	0	0	0	0	0	0	ō		0	1	1	1	1	ō	ō	ã	ĭ	2	,	1	ŏ	ō	
13	0	0	1	2	1	2	1	2	1	2	1	3	1	0	Ď	ō	ō	0	ò	ō	á	Ö	0		1
14	1	1	1	0	0	2	1	2	0	0	2	0	0	1	2	1	1	0	ō	1	2	1	2	2	1
15	1	2	1	1	-1	0	0	1	2	0	0	0	0	0	o	0	0	0	ō	Ö	0	0	1		0
16								****					2	5	11	8	12	12	5	9	10	10	3	2	*****
17	2	4	2	5	6	7	0	0	1	2	15	4	0	0	0	0	0	0	ō	ō	0	0	o	ō	2
18	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	ō	0	ō	0	ō	0	2	5	
19	6	6	2	3	0	0	0	0	0	0	0	0	0	0	ō	0	0	0	ō	ō	ō	0	0	0	1
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	0	0	ō	ō	1	4	2	1	1	0
21	3	8	12	9	2	0								****											
22														INVA											
23												1.0	DATA	INVA	L1D -										
24												:::::::::::::::::::::::::::::::::::::::	DATA	INVA	LID -										
25	****	****						••••			••••					0	1	1	1	1	1	1	1	1	*****
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	3	1	0	0	0	
27	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	
28	1	1	2	1	1	2	2	2	1	2	0	0	0	0	0	1	1	0	1	2	1	1	1	0	
29	0	1	4	4	0	0	0	0	1	2	1	1	2	2	0	1	3	1	0	0	0	0	0	0	
30	0	1	0	0	D	0	0	О	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0
MEAN	1	2	2	2	1	1	0	1	1	1	ĭ	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 81.3 PERCENTAGE OF DATA INVALID - 17.4

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1, "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \* " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- T	OTAL	REDUC	ED S	LPHUR .	SASEO	US					UNITS	- PAR	RTS/B	ILLION	ı							
	STA	TION .	NW	NO	63046	(	CAN-CAR	BLDG	MON	TREAL	ST,	THU	NDER	BAY		MON	тн - д	EC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0002001004	0004	0 0 0 5 0 0 1 0 0 5	0005001005	0 0 0 4 0 0 2 0 0 4	0 0 0 4 0 0 2 0 0 3	0 0 4 0 0 3 0	000000000	0002004004	0000005004	0 0 0 1 0 0 4 0 0 3	0 0 1 0 0 1	000000000000000000000000000000000000000	0 2 0 0 4 0 0 1	0 0 0 0 5 0 0 1	0002002001	0 0 0 1 0 0 1	000000000000000000000000000000000000000	0 0 0 0 1	00000010103	0000030003	000000000	0010010054	0 0 2 0 0 0 0 4 4	0 0 0 2 0 0 2 0 0 3
11 12 13 14 15 16 17 18 19	500000000000000000000000000000000000000	5 2 0 0 1 0 0 0 0 0 0 0 0	4 2 1 0 1 0 0 0 0	4 0 2 0 1 0 0 0 0 0	4 0 1 0 2 0 0 0 0 0 0 0 0	1 0 1 0 2 0 0 0 0 0 0	2 0 1 0 2 0 0 0 0 0 0	2 0 1 0 2 0 0 0	302050000	3 0 5 0 0	3 8 3 0 8 0 0	2 6 2 0 5 0 0 0	1 1 3 0 5 0 0 0 0 2	1 3 4 0 4 0 0 0	1 4 0 4 0 0 0 1 0	1 0 4 1 3 0 0 0 1 0	2 1 4 2 2 0 0 0 0 2 0	0 0 0 0 0 0	0 0 0 0	0011000000	000-00000	000000000000000000000000000000000000000	000000000	000000000	2:20200010
21 22 23 24 25 26 27 28 29	0 0 4 8 0 0 0 3 1 0	0 3 12 0 0 0	0 3 10 0 0 0	0 0 4 4 0 0 1 0 3 0	0 0 5 6 0 0 1 0 6 0	0 0 8 5 0 0 2 0 2 0	0052002050	0 0 1 1 0 0 4 0 2 0	000007020	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 1 0 0 0	0000000000	000000000	0 0 0 0 0 1 0 3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 4 9 0	0 0 0 0 0 1 3 11 3	0 1 5 0 0 0 1 2 1 6	0 8 0 0 0 1 5 7	0 3 8 0 0 0 0 1 1 5	0 1 2 2 0 0 2 1 4
31 MEAN	6	3	6 1	3	0	0	1	0 1	0	0	1	0	0	0	0	0	0	0	0	0	•	0	0	0	0.9

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE . 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	\$1	TATION	V - SI	NO.	12008	3	467 L	NIVER	SITY	AV WE	ST F	2 WIN	DSOR			MON	(TH -	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9												- D	ATA U ATA U DATA DATA DATA DATA DATA	NAVAIL NAVAIL INVAL INVAL INVAL INVAL INVAL	ABLE 1D - 1D - 1D - 1D - 1D - 1D -										
11														INVAL											
12															5	3	4	4	4	3	4	5	5	4 .	
13	4	4	4	4	4	4	5	6	7	4	3	4	4	3	3	4	5	4	3	3	3	3	4	3	4
14	3	3		3	3	3	3	4	5	4	5		6		7	7	7	6	5	4	3	3 2 2	2	3	4
15	2				1	2	3	4	4	4	3		3		3	2	2	2	2	2	2	2	2	2	2
16	2	2	2	1	1	1		1	3	3	3		2		2	1	2	2	2	3	3	2	4	4	2
17	3			2	3	4	4	4	5	5	5	5	5	4	3	4	4	4	3	2	2	2	3	3	4
18	3	3	3	3	3	4	4	6	8	6	6	7	5		4	4		3	2 3 2	2	1	2	1	2	4
19	1	1	1	1	1	1	1	3	4	3	2		2		2	2	4	2	2	2	1	2	2	2	2
20	2	2	3	4	2	3	4	5	6	••••	5	4	5	5	4	4	4	4	4	4	3	3	3	3	4
21	3		4	3	3	3	4	5	6	5	4	3			3	4	5	3	3	3	3	1	1	1	3
22	1	1		- 1		- 1	- 2	1	1	1		3	3		2	3	2	3	3	3	3	4	5	6	2
23	4	3	3	2	;		2	3	3	3	3		3	3	- 1	- 1	- 1	- 1	3	1	1	1	2		3
25	1	2	. 1	- 1	2	3	4	2	6	5	3	1 7	3	2		4	2	- 7	3	3	2	3	3	3	3
26	3			,	2	3		7	4	3	- 2	3	- 1		4	7	- 2	3		3	2	2	2	2	3
27	3	1	2	- 1	- 1	3	4	- 2	- 2	4	3			3		- 7	- 4	4	2	4		1	-	- 1	3
28	4		2	2	2	3			5	3	3			4	3	3	3	3	3	3	7	7	5	- 7	3
29	4		4	3	3	4		4	3	3					4	3	3	4	3 5 3	4	2	4	3	3	4
30	3			3	3	3		2	2	3					2	2	2	2	2	2	2	2	2	4	2
31	5	2	2	4	4	4	4	4	5	4	3	4	4	4	4	4	4	4	4	4	3	3	4	4	4
MEAN	3	2	2	2	2	3	3	4	4	4	3	3 4	3	3	3	3	4	3	3	3	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 62.2 PERCENTAGE OF DATA INVALID - 25.9

PERCENTAGE OF DATA UNAVAILABLE - 11.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	CARBO	N MON	oxid€								UNITS	- PA	RTS/M	1110	N							
	ST	MOLTA	- SW	NO	12008		467 U	NIVERS	SITY	AV WE	ST F2	WINC	SOR			MON	тн -	FEB	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 (	MEAN
1 2 3 4 5 6 7 8	3 4 4 2 1 2 5	2 2 3 4 2 1 1 5	1 2 2 2 2 1 1	3 1 2 2 2 1 1	1 1 2 1 1 1 1 3	1 2 4 2 1 1 1 4	3 4 3 2 1 1 3 6	5 5 5 5 2 1 5 6	5 4 5 5 3 1 6 6	4 5 5 3 1 6	4 4 5 2 2 5 4	4 5 4 5 2 2 5	4 4 4 5 2 2 5 5	4 5 2 4 5	4 4 5 2 1 4 4	5 4 6 2 1 4	5 6 4 7 2 1 6 5	4 5 4 7 2 1 5	4 5 4 5 2 2 5 5	4 4 5 3 6 5	4 4 4 5 3 5 5	4 4 5 2 4 5 5	4 4 4 2 2 5	3 4 4 4 2 3 6 5	4 4 4 2 2 4 5
9 10	5	5	5 5	5	3	3	6	5 9	5	4 8	5 7	5 8	5 6	5 6	5 5	5 5	5 6	5 5	6	7 5	6 5	5	5 4	3	5 6
11 12 13 14 15 16 17 18 19	4 9 2 1 2 5	2 8 1 1 2 5 5	1 1 1 5	3 6 3 1 1 1 5	4 4 1 1 1 1 5	1 2 3 1 1 2 5	3 4 2 2 1 3 7	5 4 3 3 2 6 7	6 5 1 3 4 7 8	5 1 4 4	5 5 2 3 3		DATA	5 6 3 2 5 1 1 1 1 1 1 1 1 1	ID -	4 6 1 3 3 6	5 6 1 4 4 5	5 6 1 3 4 5	5 4 1 2 3 5	6 4 1 1 2 5	7 5 1 1 2 5	8 6 1 2 5	9 2 1 1 3 5	10 2 1 1 3 5	5 2 2 2 4
21 22 23 24 25 26 27 28	1 4 4 2 2 2 2	3	1 1 2 2 1 1 2	1 1 1 1 1 1 3	1 2 1 3 1 1 3	2 4 1 3 1 1	5 2 4 1 1 2	7 5 4 4 2 2 4	7 6 6 3 3 2 5	5 6 4 4 3	5 6 4 3 4	5 5 3 4 4 3 2	4 5 5 4 3 5 2 2	4 5 5 4 3 4 1 2	5 5 3 3 4 1 2	45535522	5 6 5 5 4 6 1 4 5	5 8 5 3 4 6 1 3	5 7 4 3 4 5 3 4	5 6 4 3 3 4 2 6	4 3 5 3 3 2 1 4	3 3 5 3 3 2 2 3 4	2 4 5 3 2 2 2 2 3 3	2 4 4 2 2 3 2 4 4	4 4 3 3 3 2 3

PERCENTAGE OF DATA VALID - 84.5 PERCENTAGE OF DATA INVALID - 15.0

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	- SW	NO	12008	4	67 U	NIVE	RSITY	AV W	EST F2	WIND	SOR			MON	tH - 1	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	EAN
1	2	2	1	1	- 1	2	2	2	1	1	1	1	1	1	•	1	1	1	1	2	•	2	2		
2	2	2	2	1	î	1	1	2	2	3	3	4	3	3	3	3	2	ż	2		1	2	2		1
3	1	1	1	1	2	2	2	2	1	1	1	1	1		1	1	ī	ī	î	3	-	1	1	- 1	2
-	1	1	1	1	2	1	2 2 2	2	2	2	2	2	2	2	2	2	2	2	2	2	ż	ż	2	2	2
5	1	1	1	1	1	-1	2	2	2	2	4	3	2	1	1	1	- 7	ī	î	3	5	5	2	2	2
6	1	2	1	1	1	1	2	3	2		2	2	1	1	í	9	2	2	1	2	7	-	î	î	•
7	1	1	1	. 1	1	1	1	ī	ī	1	1	1	1	1	í	1	- 7	ī	1	- 1	- 1	- 4	2	ż	
8 9	2	2	1	2	2	2	2	2	1	1	,	1	1	1	1	i	1	1	1	i	- 1	1.0	- 1	î	4
9	t	1	1	1	1	1	2	2	1	1	1	2	1	1	2	2	2	1	1	i	- 1	- 4	1	1	- 1
10	1	1	1	1	,	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	i	2	1	2	i
11	2	2	2	3	3	2	4	5	6	3	3	2	1	1	1	2	2	1	1	2	3	3	3	4	3
12	3	2	2	1	2	2	3	3	3	2		2	2	2		2	- 7	1	1	1	,	1	1	- 7	2
13	1	1	1	1	1	2	3	2	3			2	2	2	3 2	2	•	1	2	2	2	ż	ż	2	2
14	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	•	1	ĩ	- 7	7	- 1	•	ī	- 1
15 16	2	1	1	1	1	1	1	1	1	1		1	1	1	- 1	i i	1	1	i	i	- 1	;		2	i
16	1	1	1	1	1	2	2	3	3		2	3	3	2	2	2	1	1	1	- 1	2	;		î	2
17	1	1	1	1	2	3	3	3	3		2	1	1	1	1	2	1	1	1	2	-	,	2	2	2
18 19	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1	ī		,	- 1	- 7	ាំ
19	1	1	1	1	1	2	3	3		2	2	2	3	2	2	2	3	1	1	i	2		- 1	•	
20	1	1	1	2	2	3	4	4	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2
21 22 23 24 25 26 27 28 29	1	1	1	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	í
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	
24	1	1	0	1		1	1	2		3	2	2	2	3	2	2	2	1	2	2	2	2	2	2	2
25	3	4	3	2	3	3	5	5	3	2		2	2	2	1	2	1	1	1	1	1	1	1	1	2 2
26	1	1	1	1	3	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	••••		2	2	2	1	1	1	2	2	1	2	2	3	2	3	3	2
28	5	5	5	5	5	5	6	4	3	3	2	1	2	1	1	2	2	2	2	3	3	2	2	2	3
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	,	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	2	2	1	2	2	1	2	2	2	2	2	1	1	1	2	3	3	1	2
MEAN	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	-1	1.5

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- C	ARBO	N MONO	XIDE.							JNITS	- PAI	RTS/M	LLIO	N							
	STA	TION -	SW	NO	12008	46	UNIVE	RSITY	AV WES	ST F2	WINDS	SOR			MONT	гн -	JUN	77						
DAY	1	2	3	4	5	6	7 B	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	1 2 1 1 3 1 2 2 1	1 1 2 3 1 1 1 1 1	2 1 1 2 2 1 1 1 1 1	2 1 1 1 1 1 1	1 1 2 1 1 1 1 1	2 1 3 1 1 1 1 2 1	1 1 2 2 3 2 1 4 1 1 1 1 1 1 3 3 2 2	1	2 1 1 1 1 1 2 1	1 2 1 1 1 1 2 1	2 2 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1	2 2 1 1 1 2 2 2	1 2 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 2 2 1 1 1 1 1	1 2 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10 11 12 13 14 15 16 17 18 19	2 2 1 2 2 1 2 2 3	2 4 2 1 1 1 2 1 2 1	2 2 1 1 1 2 1 1 2 2	1 2 1 0 1 1 1 1 1 1	1 2 1 0 1 1 1 1 1 3	2 2 2 2 3 1 1 2 2 2	2 2 1 2 2 3 2 1 2 2 3 3 3 3 3 2 1 1 1 1	1 2 1 2 1 2 1 1	1 2 1 1 1 1 2 1 1 1	1 2 1 1 1 2 2 1 1	1 2 2 1 1 1 2 1 1 1 1	2 2 1 1 1 2 1 1 1 1	2 2 1 1 1 1 2 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 2 1 1 1 1	2 1 0 1 2 1 3 1 1 1	2 1 0 1 2 1 5 1 1 1	1 1 1 2 1 4 2 2 1	3 1 1 1 1 2 1 2 2 5	2 2 1 1 1 2 1 1 1 1
21 22 23 24 25 26 27 28 29 30	1 1 1 2 2 2 1 1 1 2 2 2	1 2 1 1 1 1 1 1 2 1 1 1 1 2 1 1	1 1 1 1 1 1 1 1 2 1	1 1 2 1 1 2 1 1 1 2 1	1 1 2 1 1 2 2 1 1 2 2 1 1 2 2 1	2 2 3 2 1 2 3 2 1 3 2 2	2 2 3 3 2 2 3 4 1 1 1 2 · · · · 2 2 2 1 2 · · · · 2 2 2	1 2 2  1 1  3 1 2	1 1 1 1 2 3 1 1	1 1 1 1 2 2 1 1 1 1	1 1 2 2 1 1 1 1	1 1 1 1 2 1 2 1 2	1 1 2 1 1 2 1 1 1 1 1	1 1 1 1 1 2 1 1 1	1 1 2 1 1 2 1 1 1	1 1 2 1 2 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 2 1 1	2 1 1 1 1 1 2 2 1	1 1 2 1 1 1 2 1	2 1 2 1 2 2 1 1	1 1 2 1 1 1 2 1 1	1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

															11.041	ic i o / in	1 22201								
	STA	TION	- SW	NO	1200	3	467 (	INIVE	RSITY	AV WE	ST F2	WIND	SOR			MON	тн - ;	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1 2 3 4 5 6 7 8 9	2 1 2 2 1 1 2 1 3	2 1 1 2 2 1 1 2 1 3	2 1 1 2 1 2 1 3	2 1 1 1 2 1 1 1 1 2	2 1 1 2 1 1 1 2 2	2 1 1 1 2 1 1 1 2 2 2	2 2 1 1 2 2 2 2 2 2 2 2	2 1 1 3 3 3 3 2 2	**** 2 1 1 2 2 2 2 2 2 2 2 2 2	2 3 1 1 2 2 1 2 - 2	2 2 1 1 2 2 1 2 2 2 2	2 1 1 2 2 2 2 2 2	2 2 1 1 2 2 2 2	2 2 1 1 2 2 2 2 2 2 2 2 2	2 2 1 1 2 2 2 2 2 2 2 2	2 2 1 1 2 2 2 2 2 2 2	2 2 1 2 1 2 1	2 1 1 2 2 1 1 2 2	1 1 2 2 1 1 2 2 2	2 2 1 2 2 2 1 2 2 2	2 2 1 1 2 2	2 2 1 2 1 2 3	2 2 1 2 2 1 2 2	2 1 1 2 2 1 2 1 2 1 2	2 2 1 1 2 2 2 2 2 2 2 2
11 12 13 14 15 16 17 18 19	2 1 1 2 2 2 2 2 2 1	2 1 1 2 2 2 2 2 1	2 1 1 1 2 2 1 1 1 1 1	5 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 2 2 1 2 1 2 1 1 1 1 1	3 2 2 2 2 2 2 1 2	3 3 2 2 3 1 2 2 2 ****	3 3 3 2 3 2 2 2 2 2 2 ****	3 2 3 2 2 1 2 2 2	2 2 3 2 2 2 1 2 2	2 2 2 2 2 2 1 2 2	2 2 3 2 2 2 2 2 1	2 2 3 2 2 2 2 3 2	2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2232322232	2233333333	2232233333	2 2 3 2 2 2 3 2 3 2	232322422	3 2 2 3 2 4 2 2 2	2 2 2 2 2 2 2 2 2 2 2	3 1 2 2 2 2 2 2 2 2 2 2	2 1 2 3 2 3 2 1 1 2	2 2 2 2 2 2 2 2 2 2
21 22 23 24 25 26 27 28 29	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 2 2 2 2 2 2 2 2 2	1 1 2 2 3 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 3	2332232334	2 4 3 2 2 3 3 3 4 4	3 3 3 2 2 3 4 4 4	2 2 3 3 3 2 **** 3 4 3	2 **** 3 3 2 2 2 2 3 3	2 2 3 3 2 2 2 2 3 3	2233222233	2 2 3 3 2 2 2 2 2 3	3 2 3 3 2 2 2 2 3 4	3 2 3 3 2 2 3 3 5 5	3 2 3 3 2 2 2 2 3 6	322322224	2 2 2 3 3 2 2 3 3 3	2223322343	2 2 2 3 2 2 3 4 2	2 2 2 3 2 2 2 4 4 2	2323232432	2 2 2 3 2 3 3 2	2 2 2 3 2 2 3 3 3
MEAN	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- C	ARBO	N MONO	XIDE							Į	UNITS	- PAR	RTS/M	ILLION	4							
	STA	TION -	SW	NO	12008	4	167 U	NIVER	SITY	AV WES	ST F2	WIND	SOR			MON	TH - 0	ост	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	2222322222	2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 1 2 2 2 2 2 2 2 2	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 1 2 2 2 2 2 2 2 2 2 2	2233343223	2 2 4 4 3 4 4 2 2 3	2234343223	2 2 2 3 3 **** 2 2 2 4	2 2 2 3 2 2 2 2 3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2223322222	2222333333	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 3 3	2 2 2 3 2 2 2 2 2 3	222322233	2 2 2 3 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	2 2 4 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 3 2 2 2 2 2 2 2 2
11 12 13 14 15 16 17 18 19	2 1 2 7 3 2 2 2 3 5	2 1 2 6 3 2 2 2 2 4	2 2 4 3 2 2 2 2 3	2 2 4 3 2 2 2 2 3	2 1 2 7 2 2 2 2 2 3	2 2 2 2 3 2 3 4	3 2 3 16 4 2 3 2 3 5	3	**** 2 3 **** 4 2 **** 3 4 6	2236424346	2 2 3 5 4 2 3 2 4 4	2232523234	2232423233	2232323233	2 2 3 2 3 2 3 2 3 3	200000000000000000000000000000000000000	1 2 3 2 2 2 2 2 3 3	2 2 3 2 2 2 2 3 3	22322233	1 2 3 3 2 2 2 2 3 4	1 2 4 3 2 2 2 2 4 4	1 2 4 3 2 2 2 2 4 4	1 2 4 3 2 2 2 3 5 4	1 2 6 4 2 2 2 3 5 3	2235323234
21 22 23 24 25 26 27 28 29 30	3 2 2 3 3 2 3 2 2 2 2	3 2 2 3 2 2 4 2 2 2 2	3 2 2 2 2 3 2 2 2 2	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 3 2 2 3 3 3 2 2 2	5223433222	**** 224545322	**** 2 2 4 4 6 6 3 2 2	3 2 2 **** 3 4 7 3 2 2	3 2 2 2 3 4 3 2 1	3 2 2 2 2 3 ****	33223333222	3 2 2 2 2 4 3 2 2 2	2 2 2 2 4 2 2 2 2 2 2	2223343422	222233322	2223333	2 2 2 3 3 3 4 3 2 2	2 2 2 3 4 4 2 3 2	2233363222	2 2 4 3 3 6 3 2 2 1	2 2 4 3 3 4 3 2 2 2	2 3 3 2 4 3 3 2 2	3 2 2 3 3 4 3 2 2 2 2
31	1	1	1	i	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	3	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2.5

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW	NO 12008 467 UNIVE	ERSITY AV WEST F2 WINDSOR		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
NAU	19	3.1	4	8
FEB	23	3.6	6	10
MAR	31	2.5	5	9
APR	28	2.1	6	10
MAY	31	1.5	3	6
JUN	30	1.4	2	5
JUL	25	1.6	2	6
AUG	31	1.8	3	5
SEP	30	2.0	3	6
OCT	31	2.5	5	19
NOV	30	2.4	4	7
DEC	31	2.4	4	6
YEAR	340	2.2	6	19

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

morrite ander	1.024020		SECOND STATE				
POLLUTANT - CA	RBON MONO	XIDE			UN	IITS - PAR	TS/MILLION
STATION - SW	NO 12008	467	UNIVERSITY	AV WEST F2 W	INDSOR		
MONTH OO	TO 01 0	2 TO 03	04 TO 08 0	9 TO 13 14	TO 30 31	&OVER	TOTAL
NAU	68	222	173	0	0	0	463
FEB	95	165	304	4	0	0	568
MAR	271	266	199	1	0	O	737
APR	308	243	134	2	0	0	687
MAY	461	254	19	0	0	0	734
JUN	485	219	7	0	0	0	711
JUL	328	305	13	0	0	0	646
AUG	233	494	9	О	0	0	736
SEP	129	556	21	0	0	0	706
OCT	22	631	79	4	2	0	735
NOV	16	646	45	0	0	0	707
DEC	45	637	52	0	0	0	734
YEAR	2461	4638	1055	8	2	0	8164

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES				TRATIONS					
	OF DATA VALID	MIN	10	30	FREQUENCY 50	DISTR 70	. 1001 TUB1 90	PERCENT 95	98	99	MAX	ARITH MEAN
			0.0			2.0	3 4	43	5.2	5.9	19	2.2

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION -	SW	NO	14049		156 VI	CTORIA	ST	NORTH	SAR	RNIA				MON	тн	JAN	77						
HOUR	1	2	3.	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	1EAN
1 2 3 4 5 6 7 8 9	1 2 2 3 4 3 2 4 3 3	2 2 3 3 4 3 3 4 3 3	2 3 3 5 2 3 3 3 3	2 2 3 2 4 2 2 3 3 3	2 2 2 3 3 2 3 3 2	2 2 2 3 3 2 4 3 2	2 2 2 3 3 2 4 3 2	2 2 2 4 3 2 4 3 3 3	2 2 2 3 5 3 2 3 2 3	2 2 2 2 5 2 2 3 2 2	2 2 3 3 3 2 2 2 3 2	2 2 4 3 2 3 2 3 2 2	2 2 3 3 2 3 3 3 3 2	2 2 4 3 2 3 3 3 3 2	2 2 3 3 4 3 2	2 2 3 2 2 4 3 4 3 2	2 3 3 3 4 4 3 3 2	2 2 3 4 4 3 3 2 2	2 3 3 3 2 3 2 3 3 2	2 3 3 2 3 2 4 3 2	2 3 3 4 2 3 3 4 3 2	3 4 3 3 3 4 3 2	2 4 3 4 3 3 3 4 4 2	2334433332	2 2 3 3 3 3 3 3 3 3 2
11 12 13 14 15 16 17 18 19	2 2 2 3 3 3 2 2 2	2 2 2 3 3 3 3 2 2 2 2	2223333233	2 2 2 2 3 3 2 2 2 2 2	2 2 2 2 3 3 3 3 3 3 3 3	22223222	2 2 3 2 2 3 3 2 2 2	2 2 5 3 2 3 2 3 2 2 2	2253232322	2 2 5 3 3 3 3 3 2 2	2 2 4 3 3 2 3 2 2 3	2 2 3 3 3 2 3 2 2 3	2 3 3 3 3 3 2 2 3	2233332223	2 2 3 4 3 2 2 2 3	2 2 4 4 3 ****	2 2 4 3 3 3 3 3 3 3	3324333222	2 2 3 3 2 2 2 2 2	3 2 3 4 4 2 2 2 2	3 2 2 3 4 3 2 2 2 2	2 3 2 4 3 2 2 2 3	23333332223	2 2 2 3 4 3 2 2 2 3	2 3 3 3 3 2 2 2 2
21 22 23 24 25 26 27 28 29 30	3 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 2 5 3 2 2 2 2 2 2 2	2 2 5 3 2 2 2 2 2 2 2	2 2 4 3 2 2 2 2 1 1	2 2 4 3 2 2 2 2 1 1	2253222211	2 2 5 3 2 2 2 2 1 1	2 2 4 3 2 3 2 3 1 1	2 2 4 3 2 3 2 3 1 1	2 2 3 **** 2 3 2 2 2 2	2 2 3 2 2 2 1	2 2 3 3 2 2 2 2 1	2 2 3 3 2 2 2 2 2 1	2333222221	2 2 3 3 2 2 2 2 1	2 3 3 2 2 2 2 2 1	2 2 3 3 2 2 2 2 1	3 2 2 3 3 2 2 2 1	2 4 3 3 2 2 2 2 2 1	2 3 3 2 2 2 2 2 1	3 4 4 3 2 2 2 2 2 1	3 4 4 3 2 2 3 2 2 1	2 4 4 3 2 2 3 2 2 1	2 4 3 3 2 2 3 2 2 1	2 3 4 3 2 2 2 2 1
31	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2		2	2	2	2	1	2	2	2
MEAN	2	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2	3	3	2	2	3	3	3	3	2.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- C	ARBO	N MONO	XIDE							Į.	JNITS	- PA	RTS/MI	LLION	U							
	STA	TION -	SW	NO	14049		156	VICTORIA	ST	NORTH	SA	RNIA				MONT	ГН - F	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1 2 3 4 5 6 7 8 9	1 2 2 2 1 2 2 3 2 2	1 2 2 2 2 2 2 1 3 3	1 2 2 1 1 2 2 3 2 2	1 2 1 1 2 1 3 2 2	1 1 1 1 1 3 2 2 2	1 1 1 1 1 2 3 2	1 2 2 2 1 1 1 2 4 2 3	2 1 1 2 4 2	2 2 3 2 2 2 5 3 4	2 2 2 3 2 2 4 3 3 *	2 3 2 2 2 2 3 3 ***	2 2 2 2 2 2 2 2 3 3	2 2 3 2 2 4 2 2	2 2 3 2 2 2 4 3 2	2 2 2 2 2 2 2 2 3 3 2	2 2 3 3 2 2 3 3 2	3 2 3 4 2 2 3 3 4 2	2 2 3 2 2 2 3 3 2 2	2 2 2 2 2 2 3 3 2	2 2 2 2 2 2 3 3 3	2 2 2 2 2 3 3 3 2	2 2 2 2 2 3 2 3 2 3 2	2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 3 3 3
11 12 13 14 15 16 17 18 19	2 3 2 1 2 2 2 2 2 2 2	2 3 2 1 2 2 2 2 2 2 2	2 1 1 2 2 2 2 2 2 2 2	2 3 2 2 2 2 2	2 3 2 1 2 2 2 2 2 2 2 2	231122222	2 3 1 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 3 ***	2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 3 3 2 2 2	2 2 1 2 2 2 3 3 2 2	2 2 1 2 2 2 3 4 2 2	2 2 2 2 2 3 4 2 2	222223422	2 2 1 2 2 2 3 4 2 2	2 2 2 3 3 3 4 2 2 2	3213333422	3 2 2 3 3 3 3 4 2 2	2 2 2 2 3 3 2 2	222223322	3 2 2 2 2 3 3 2 2	2 3 2 2 3 2 2 3 2 2	2 2 1 2 2 2 2 3 2 2	3 2 2 2 2 2 3 3 2	222223322
21 22 23 24 25 26 27 28	2 2 2 2 2 2	2 4 2 2 2 2 2 2 2 2	2222222	2 2 2 2 2	2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	2 3 3 2 2 2 2 3	3 3 2 2 2 2	3 4 3 2 2 3 2 3	34388383	33323323	34323322	3 3 3 3 3 3 3 3	23333433	2 3 3 3 4 2 3	3 2 3 3 4 2	4 3 3 3 4 3	4 4 3 3 3 3 2 2	3 2 3 3 3 2 1	4 3 2 3 3 3 2 2	3 3 2 3 3 3 3 2	4 3 2 3 3 3 1	4 3 2 3 2 2 2 2	3 2 2 2 3 2 2	3 3 2 2 3 3 2 2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	2	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	ST	ATION	· S	w NO	14049	9	156	VICTOR	IA ST	NORTH	H SA	RNIA				MON	TH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2
2	2	2	1	1	1	1	2		2	2	2	2	2	2	2	2	2	2		2	3	3	2	3	2
3	3	3	2	2	2	2	3	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	1	1	1	1	1	1	1	***	2	2	1	1	1	1		2	2	2	2 2 2 2 2 2 2 2	2	2	2	2	2	2
5	2	2	2	1	2	2	2	****	****	1	2	2	****	2	2	2	2	1	2	2	2	2	2	2	2
6	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	****	
7	****	1	1	****		****	2	2		2	2	2	2	2	2	2	2	3	5	2 5	5	2	2	3	2
8	3	3	2	2	2	2	2	3	3	3	. 3	3	3	3	3	3	****	3	2	2	1	1	1	1	2
9	1	1	1	1	1	2	2		2	2	2	2	2	2	2		2	2	2	2	2	2	3	3	2 2 2
10	2	2	2	2	2	2	2		2	2	2		****	***	2		2	2	2	- 1	2	2	3	4	2
							_			-	-				-	~		-	-	7.83	-	-			-
1.1	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2
12	2	2	2	2	2	2	2		2	2	2	2	2	1	1	1	1	1	1	2	2	2	1	2	2
13	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2
14	2	2	2	2	2	1	1	2	2	2	2	2	3	3	2	2	3	3	3	2	2	5	3	4	2 2 2 2 2 2 2
15	5	4	2	2	2 2	2	2		3	2	2	2	2	2	2		2		2	2	2	2	2	1	2
16	2	1	- 1	1	1	1	1	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	9	2	2	2	2	2	3	3	2		3	3	2	2	2	2	2	2	2
18	2	2	2		1	2	2	2	2	2	2	2	2	2	2		****	3	3	2	2		2	2	2
19	2	2	2	2	2	2	9	2	2	2	3	3	3		3	3	3	2	2	2	2	2	2	2	2
20	2	2 2	2	2	2	2	2	2	2 2	2	2	2		3	2		2		3 2	2	2	2	2	2	2 2 2
	-	-	-			*	•		2	-		-		- 2	2	2	-	- 2	2	2	~	~	2	2	- 2
21	2	2	2	2	2	2	3	4	4	****	3	3	3	3	2	2			2	2	2	2	2	2	2
22	1	1	2	2	2	1	2 3 2 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2 2 3 2
23	2	2	2	2	2	2	3	3	3		3		4	5	4		3	2	2 2 3	2	2	2	2	2	3
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2
25	2	2	2	2	2	2	2	3	3	2	3	3	3	3	3	****	3	3	3	3	3	5	3	3	3
26	2	3	3	3	3	2	2	2	2	2	2	2	2	****	****	****	****	****	****					****	*****
27												-	DATA	INVAL	LID -										
28	****	****	****	****	****		***	****	****	****		****	****	* * * *		****	2	3	1	1	1	1	1	2	*****
29	2	2	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	3	4	3	3	2
30	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2
																					-	100			
31	2	2	2	2	2	1	1	2	2	2	2	3	2	2	2	3	3	4	2	2	2	2	2	2	2
20021240																									
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 90.3 PERCENTAGE OF DATA INVALID - 9.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- C	ARBO	N MONO	XIDE							U	NITS	- PAR	TS/MI	LLION	١							
	STAT	ION -	SW	NO	14049		156	VICTORIA	ST	NORTH	SA	RNIA				MONT	н - ,	APR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	2 2 2 2 2 2 2 2 3	2 2 2 2 2 2 2 2 2 1 2 4	2 2 2 2 2 2 3	2 2 2 2 2 1 2 1	2 2 1 2 2 1 1 2 2 2	2 2 1 2 2 1 1 2 2	222222222222222222222222222222222222222	2 2 2 2 2 2 2 2 2 2 2 2	2 1 2 2 2 1 2 2	2 2 2 2 2 2 2 2 1 2 2	2 2 2 2 2 3 1 2 1	2 2 2 **** 2 2 3 1 2 1	2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 3 1 2	2 2 2 2 2 3 1 3 1	2 1 2 2 2 3 2 1 3 1	2 1 2 2 2 3 3 1 3	2 2 2 2 3 1 2 1	2 3 2 2 2 2 2 2 2 2 2	2 3 2 1 2 2 2 2 2 2 2 2	2331221222	5 2 3 1 2 2 2 3 3 2	2 2 1 2 2 2 2 2	2 2 2 2 2 2 3 4 2	2 2 2 2 2 2 1 2 2
11 12 13 14 15 16 17 18 19 20	3 1 2 1 1 2 4 1 1 2	2 1 2 1 1 2 4 1 1 2	2 1 1 1 2 6 1 1 2	4 1 1 1 5 1 2 3	3 1 1 1 1 3 1 2 3	1 1 1 1 1 2 1 2 3	2 2 1 1 2 1 2 1 2 3	2 2 2 2 2 2 1 1 2 2 2 3 3 2 3	222222223	2 2 2 1 2 3 1 1 2 3	2 2 2 2 3 1 - 2 3	2 2 2 3 1 2 2 2 2	2 2 2 4 1 2 2 2	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 3 3 2 2 2 3 2	2223322242	1 2 1 2 2 2 2 4 2	1 2 2 2 3 2 3 2 3 2	2 3 1 2 2 3 4 2 3 2	2 3 1 2 4 6 2 2 3 3	2 3 1 2 2 5 1 2 3 3	2 3 2 2 2 5 1 2 3 3	222232222
21 22 23 24 25 26 27 28 29	3 3 3 3 2 2 4 2 2 4	3 3 3 3 2 2 3 1 2 4	3 3 3 2 2 2 1 2 3	4 3 3 2 2 2 2 1 2 3	4 3 3 2 2 2 2 1 1 3	4 3 2 2 2 2 2 1 2 3	332222231223	3 3 2 2 2 2 2 2 2 2 3 2 1 1	332222123	3 *** 2 2 2 2 2 2 3	3 * 2 2 2 2 2 1 2 3	3 2 2 2 2 2 1 3 2	3 3 2 2 2 1 1 2 3	3 2 3 2 2 2 1 1 2 3	3 2 2 2 2 1 1 2 2	3 3 2 3 2 2 1 2 3 2	3 2 3 2 3 1 2 3 2	33233-223	3 3 3 2 3 1 1 2 3	3 3 2 2 3 1 1 3 3	3 3 3 2 3 2 1 4 3	3 3 3 3 4 2 1 4 3	3 4 3 3 3 4 2 2 4 3	3332342253	3 3 3 2 2 2 2 1 3 3
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2.1

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA MONTH - JUL 77 HOUR 5 8 9 10 11 12 13 14 17 18 19 20 21 22 23 24 MEAN 2 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 22221 2222223 22222 2 2 2 2 2 3 2 2 232223234 232233333 2

> 0 0

> > 2

1.8

2

2 2 2

2 PERCENTAGE OF DATA VALID - 96.8 PERCENTAGE OF DATA INVALID - 3.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

2 2 2 2 2 2 2 2 2

NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

"-" INDICATES DATA IS UNAVAILABLE

0 0

31

MEAN

1

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

2 2

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- с	ARBO	N MONO	X I DE								UNITS	- PAS	RTS/MI	LLION	v							
	STA	TION -	SW	NO	14049	1	56 VI	CTOR	A ST	NORTH	SA	RNIA				MONT	тн - д	UG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 0 1 0	1 1 0 0 1 0 1 1	1 1 2 0 0 1 0	20000	1 1 2 1 0 0 0 2 1	1 2 2 3 1 0 0 1 2 2	1 2 2 2 1 0 0 1 2 2	1 2 3 0 0 1 2	1 2 2 2 1 1 0 2 2 3	1 2 2 3 1 1 0 1 3	1 3 2 2 1 1 0 2 2 2 2	1 2 2 1 1 0 2 2	1 2 2 2 1 1 0 1 2 2	1 2 2 3 2 1 0 1 2 2	1 2 2 3 2 1 0 2 2 2	1 2 2 2 1 1 0 1 2 1	1 1 2 1 1 0 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 1 1 1 2 2	1 1 1 1 1 1 1 1 3	1 1 1 1 1 0 1 1 2	1 1 1 1 1 0 1 1 1 2	1 1 1 1 1 0 1	1 1 2 1 1 0 1 2 2
11 12 13 14 15 16 17 18 19	1 0 1 1 0 1 0 1 0	1 0 1 1 0 1 0 1	1 0 1 0 1 1 0 0 1 2	1 0 1 0 0 0 1 2	1 0 1 0 0 1 1 2	1 1 0 2 1 1 1	2 1 1 0 3 1 1 1 2 1	2 1 1 0 2 1 1 1 2 2	1 1 0 1 1 1 1 2 2	1 1 0 2 2 1 1 2 1	2 1 1 0 1 1 	2 1 2 0 1 2 1 1 2	1 1 1 2 2 2 2 1	1 1 0 1 1 1 1 2 1	1 1 0 1 2 1 1 2 1	2 2 1 1 2 1 2 2 1	1 1 1 1 1 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	1 2 2 1 1 0 1 2 2 1	1 2 2 1 1 1 1 2 3 1	0 1 1 1 1 D 1	1	1 1 1 1 0 1 1	1 1 1 1 1 1 2 1
21 22 23 24 25 26 27 28 29	1 1 1 1 2 1 2 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1	1 1 1 1 1 1 1 1	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 2 1 1 1 1	1 1 2 2 6 3 1 1 1 2	1 1 2 3 2 1 1 1 2	î	1 1 2 1 1 1 1	1 2 2 1 2 2 1 1 1	1 2 2 2 1 2 2 1 1	1 2 2 1 2 2 1 2	1 2 1 1 2 1 1 2 1	2 2 2 1 2 1 1 2 2	1 1 2 2 2 1 1 2 2	2 1 1 2 2 1 1 1 1 1	1 1 1 2 2 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 1 1 1 1	1 2 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 2 1 1 1 2 1	1 1 2 2 2 1 1 1 1
31 MEAN	1	1	1	1	1	1	2	1	1	2 1	1	1 1	1 2	1	1	1	1	1	1	1	1	1	1	1	1 1.2

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- ... INDICATES DATA IS UNAVAILABLE 2.
- 3. " ... INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/MILLION POLLUTANT - CARBON MONOXIDE 156 VICTORIA ST NORTH SARNIA MONTH - NOV 77 STATION - SW NO 14049 20 21 22 23 13 14 HOUR В 10 11 2 3 4 5 6 7 8 9 10 12 13 14 15 16 17 18 19 20 2 2 2 22 23 24 25 26 27 28 29 30 3 2

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE

MEAN

PERCENTAGE OF DATA INVALID - 2.2

2 2 2 2 2 2 2 2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

1.5

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA MONTH - DEC HOUR 14 15 20 21 22 23 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 2 2 2 22 23 24 25 26 27 28 29 30 : MEAN 1.6

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID . 1.2

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. .. INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

### UNITS - PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA 24-HOUR MAXIMUM MAXIMUM READING AVERAGE CONCENT NO OF DAYS 2.5 JAN 2.3 FEB 2.1 MAR 2.1 APR 2 0 MAY 1.5 JUN 1.8 1.2 AUG 1 4 SEP 1.5 OCT 1.5 1.6 DEC 1.8 YEAR 

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

YEAR

MONTH 00 TO 01 02 TO 03 04 TO 08 09 TO 13 14 TO 30 31 80VER TOTAL O JAN O FEB MAR APR MAY JUN JUL 1.1 O AUG SEP i OCT NOV DEC 

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID MIN 10 30 FREQUENCY DISTRIBUTION, PERCENT
VALUE 96.8 0 0.2 0.8 1.2 1.7 2.5 2.8 3.4 3.8 10 1.8

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	ST	OITAT	- S	N NO	1500		WESTE	RN F	IR GF	ROUNDS	KING	/RECT	ORY.	LONDO	N	MON	чтн -	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	3	1	0	0	0	2 1 2	4	5	8	8	5	4	3	2	1	1	1	í	ì	i	- 1	2
2	0	1	1	1	0	0	1 2	1 2	1	1 2	1 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	1	1	3	2	2
4														INVA											
5	• • • •			****			****	12/2009/810/21		****	****		****	* * * *		1	1	4	2	6	7	10	8	6	*****
6	8	4	2	1	2	4	-		****	****	****	****	****	****		****	****	****		****	****	+ - + +	++++	****	*****
7		****	****	****	****	* * *		****		****	****		****	****	****	****	****		****	****	****	4	3	2	*****
В	2	2	1	1	1	1	1	2	3	2	2	2	2	2	2	2	4	8	1	2	1	1	2	2	2
9	1	1	1	0	0	0	1	1	1		****		****			****		• • • •					+ + + +	1-000	*****
10	****	****	****	****	••••		****	****	****		****		****	• • • •	****	2	2	2	0	0	0	0	0	0	*****
11	0	0	0	0	0	0	1	- 1	2	2	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	2	***	2	1	1	1	1	1	2	3	1	1	1	2	2	3	1
13	2	2	2	2	3	3	4	6	9	6	4	4	4	3	2	2	2	2	2		2		2		3
14	2	1	1	1	1	1	2	2	4	3	4	3	3	2	2	2	2	3	2	2	2	2	2	3	2
15	1	1	1	1	1	1	1	1.	1	2	1	2	2	3	1	2		2	1	1	1	1	1	1	1
16	1	2	2	2	1	2	1	1	1	1	1	1	****	2		2	2	2	2	2	1	1	1	1	1
17	1	1	1	1	1	1	1	2	3	2	1							****		****				****	*****
18		****	****	****					****	4	1	1	1	1	1	2	2	3	-1	1	1	1	2	2	*****
19	3	2	2	1	1	1	1	2	5	4	3	2	2	1	****	1	2	1	1	1	1	1	1	1	2
20	1	1	0	0	1	1	2	3	4	2	2	2	2	2	2	3	5	4	3	3	3	2	3	2	2
21	1	1	1	1	1	. 1	. 1	2	2	1	1	1	1	1	1	2			2	2	2	1	1	1	1
22	1	1	0	****			****	****	****	****	****	****	1	1	0	****	****	7.0	****	****	+ - + +		****	****	*****
23	****	****	****		****	****	****	****	****	****	****	****	****	****	6	6	5	3	1	1	1	1	1	1	*****
24		1	1	1	1	1	2	2	3	****	****	2	2	3	3		4		3	3	2	2	7	2	2
25	2	2	2	2		2	2	3	4	2	1	1	1	1	1	2	2		2	- 1	1	1	- 1	- 1	2
26	1	1	0	0		1	2	3	3	2 3 2 2	2 2 2	2	1	2 2 2	1	2 1 2 3 1	1	1	1	1	1	1	1	1	1
27	1	0	0	0	1	2	3	3	3 2 2	3	2	2	2	2	2 1	2	4	4	2	0	0	2	3	5	2
28	2	1	1	1	1	1			2	2	2	- 1		2	2	3	1	1		0	0	0	1	1	1
29	0	0	1	1	1	1	2		2			- 1	1	1				1	1	1	1	1	- 1	1	1
30	1		0	O	0	0	0	0	0	0	0	0	0	0	0	0	1	1		2	2	3	****	****	1
31												8	DATA	INVA	LID -										
MEAN	1	1	1	1	1	1	2	2	3	2	2	2	2	. 2	2	2	2	3	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 73.9 PERCENTAGE OF DATA INVALID - 26.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTA	NT -	CARBO	ON MON	OXIDE	2							ONITS	- P/	ARTS/N	AILLIC	N								
	ST	MOITA	- sw	NO	15001		WESTE	RN F	AIR G	ROUNDS	KING	/RECT	ORY,	LONDON	ı	MON	NTH -	FEB	77							
HOUR	1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		****	****	****	****				****		****			****		****	2		3	3	3	4	3	3	*****	
2	4	4	3	3	3	4	4	5	6	5	3	3	3		2	2	3	3	3	3	2	2	3	3	3	
3	2	2	1	1	1	2	2	2	3	2	2	2	2			1	2	2	1	1	1	1	1	1	2	
4	1	1	1	0	0	0	1	2	3	1	0	1	2	1	1	1	2	1	1	1	2	2	3	3	1	
5	1	2	1	1	1	0	1	1	1	1	1	1	1	1	- 1	1	1	1	1	1	1	1	1	1	1	
6	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	1	1	1	1	1	1	1	2	2		1	1	1	1	1	2	2	2	2	3	2	2	3	****	2	
8	4	5	5	6		7	8	9	10		6	2				2	3		1	10	1	1	1	1	4	
9	1	1	1	1	1	1	1	2	3		2	2			1	****	2	3	2	3	2	2	3	2	2	
10	1	1	1	1	1	2	2	7	7	5	2	2	2	2	2	2	3	3	2	2	2	2	2	3	2	
1.1	1	1	0	0	0	0	1	2	1	1	1	2	1	1				****							*****	
12		(4)												INVAL				allo a s	0.00	82,500	7. 100 2	1000		22.0	7,55,50	
13														INVAL												
14										****	****					1	2	****							*****	
15										****		****					****	1	1	2	2	2	2	2	*****	
16	2	2	2	2	2	2	3	4	4	3	1	1	1	1	1	1	2		1	1	2	2	3	2	2	
17	3	2	2	2	3	3	3	4	7		5	4	4	4	3		4	5	3	3	2	2	3	3		
18	2	2		1	2	2	2	4	6	5	5	4	4	4	4	5	5	4		5	6	4	5	10	4	
19	4	3	3	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	2	1	1	1	1	1	2	
20	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
21	1	1	1	1	1	1	2	3	2		1	2	2	2	2	3	3		3	5	4	4	5	7	3	
22			****							****		1	1	1					****		****	****			*****	
23	10 400000	1011-011-011	****		13,000	100000000000000000000000000000000000000	A. 190.00	-00-100-00			2	1	1	1	2	2			1	2	1	1	1		*****	
24	1	1	1	1	1	1	2	2	2	2	2					****	****	****	****	****	****		****	****	*****	
25														INVAL												
26 27														INVA												
28														INVA												
MEAN	2	2	2	1	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2.1	

PERCENTAGE OF DATA VALID - 61.9 PERCENTAGE OF DATA INVALID - 38.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	- SW	NO	15001		WESTERN	FA	IR GR	OUNDS	KING	/RECTO	RY.LO	NOGN		MON	TH - 1	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
ĩ	1	ï	0	0	0	0	1	î	- 1	1	1	1	ĭ	2	2	2	2		1	1	1	1	1	0	1
2	0	0	0	0	0	0	1	1	2	0	0	0	i	- 1	- 7	1	- 1	- 1	- 1	1	1	1	1	1	1
3	1	1	1	0	0	1	1	î	1	1	ī	1	i	1	- i	1	1	î	1	2	2	2	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	i	i	96	1	1	1	1	1	1	4	2	1	1
5	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	,	1	3	4	2	1	1
6	1	0	0	0	0	0	1	•		1	1		1	- i	2	2	2	í	- 1	- 1	ī	1	2	1	
7	0	0	0	0	0	0	1	0	0	0	0	1	1	i	1	- 7	1	î	í	- 1	1	2	2	1	1
8	1	1	1	1	0	0	1	1	1	1	ī	1	1	ò	ó	ò	o	ò	ò	ò		ō	0	0	1
9	0	0	0	0	0	0	0	0		1		1	ó	1	ĩ	- ĭ	ī	1	ŏ	ŏ	ò	ī	1		0
10	0	0	0	ō	O	1	1	1	1	1	1	i	1	i	i	2	1	i	2	2	2	3	2	2	1
11	1	1	1	1	1	1	2	1	1	1	1	1	0	ĵ	i	1	1	1	i	2	4	7	11	4	2
12	3	4	2	1	1	1	2	2	1	1	1	2	2	2	2	1	1	1	2	2	2	2	2	2	2
13	2	1	1	1	1	1	1	1	1	T.	1	1	1	1	1	1	0	0	1	1	2	2	2	1	1
14	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1		1	1	1	1	2	1	1
15	2	2	1	- 1	1	1	1	0	0	0	0	0	1	1	1	1	0	1	1	1	4	1	1	1	1
16	1	1	1	0	1	1	3	3		1	1	1	1	1	2	3	2	3	4	2	4	6	4	1	2
1.7	1	1	1	1	1	2	3	2	2	1	1	1	2	2	3	4	4	4	4	3	5	2	1	1	2
18	1	0	0	0	0	1	2	2	1	1	1	1	1	1	2	3	3	4	4	4	4	3	2	1	2
19	0	0	0	0	0	1	1	1	1	1	1	1	1	2		3	3	3	4	5	7	7	4	2	2
20	1	1	1	1	1	1	3	1	1	1	1	1	2	• • • •	••••	3	3	4	4	3	5	5	4	2	2
21	1	1	1	1	1	1	****	1	1	1	1	1	1	2	2	2	2	3	4	3	4	3	2	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2		1	1	
23	1	1	1.		1	1	1	1	1	1		1	1	1	1	1	1	1	2	1	1	2	3	1	1
23 24 25 26 27 28 29 30	1	0	0	0	1	1	2	2	1	1		1	1	1	1	2	2	1	1	1	2	2	2	1	1
25	1	1	1	1	- 1	- 1	1	1		1		1	1	1	1	1	- 1	- 1	1	1	1	1	2	1	1
26	1	1	0	0		- 1	1	1		1		1	1	1	1	1	- 1	1	1	1	1	1	2	2	1
27	2	1	1	1	1	- 1	2	3	• • • •	1		1	1	1	1		1	1	2	3	4	5	6	6 0 0	2
28	5	4	3	3		2	2	1	1	1	2	2	1	1	1	,	1	1	1	1	1	1	2	0	2
29	0	0	0	0		0		0	0	0	0	0	0	0	1	3	1	1	1	1	1	1	1	0	0
30	,	1	0	0	,	1	1	1		••••	1	1	1	1	1		1	1	1	1	1	4	2	1	1
31	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2		1.2

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1, "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- c	ARBO	N MONOX	IDE							U	NITS	PAR	TS/MI	LLION								
	STAT	TION -	SW	NO	15001	WES	TERN	FAIR	GRO	JNDS	KING/	RECTO	RY,LO	NDON		MONT	н - Л	IN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	AN
1 2 3 4 5 6 7	0 0 1 2 1 0	0 0 1 1 1 0 0	0 0 0 0 0 0	000000	0 0 1 0 0	0	1 1 1 1 0 0	1 1 1 1 0	1 0 0 1 0 1	1 0 0 1 0 1 1	1 0 1 0 1	1 0 0 1 0 1	1 0 0 1 0 1 1	1 0 0 1 0	1 0 0 1 0	1 1 1 0 1 1	1 1 1 0 1	1 0 1 1 1	1 0 1 0 1 1 1	1 1 0 1 1	1 1 2 1 0 1 1	1 1 3 2 0 1	2501	0 1 1 0 1	1 0 1 1 1
8 9 10	1	1	0	0	0	1	2 1 2	1	1 0	0	1	1	1 1 1	1	1	1	1	1	1	1	į	1 2	1 2	1	1
11 12 13 14 15 16 17 18 19	1 1 0 1 1 2 0 1 1	1 0 0 0 1 0	1 1 0 0 0 1 1 0 0 1	000000000000000000000000000000000000000	1 0 0 0 0 1 0 0	0 1 0 1 1 1 0 0	1 0 1 1 1 1 1 0 0	1 0 1 1 1 1 0 0 2	1 0	1 0 0 0 1 1 1 1 0 1 1	0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 0 1 0 0 1	1 1 1 1 0 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 0 0 0 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 1 0 1	2 0 1 1 1 1 1 1 0 1 1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 4 1 2 1 4 1 1	2 1 2 1 5 1 2 1 1 0	1 1 0 1 3 0 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 1 1 1 1 1 1 1 0 1	0 0 0 1 1 0 0 1	0 0 0 0 0 0 1 0 0 1	0 0 0 0 0 1	1 0 0 0	1 2 1 1 1 0 1 1 0 1	1 2 1 1 1 0 3 1	1 **	1 0 1 0 0 1 1 1 1 1 1 1	1 0 1 1 0 0 1 1 1 1 1	1 0 1 1 1 1 1	1 0 1 0 1 1	1 1 1 1 1 1 1	1 1 1 1 0 1 1 1 1	1 1 1 1 1 1 1 1	1 1 2 1 0 1 1	1 1 0 1 1 1 1	1 1 2 1 1 1 1 1 1	1 1 2 1 1 1 0 1 0	1 1 2 1 1 1 0 1 0	1 1 1 1 0 1 0	2 1 4 1 2 1 0 1	1 1 2 2 2 1 0 1 1	2 1 1 1 1 1 1 1 0 1 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MEAN	1	i	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	O . B

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - D. 1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	S	TATION	N - S	W NO	1500	1	WESTE	RN FAI	RG	ROUNDS	KING	/REC	TORY.	LONDON	Ĺ	MON	ITH -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0		0	0		1	C	0	0	О	0	o	0	0	0	0	o	0	0	0	0	0	0
2	0	0	0		0	0	0	1	Č		ō	ō			Ö	ő	ő	ő	o	0	0	1		0	0
3	0	0	0		0	0	0	0	ď		ō	ő		0	o	ő	ñ	ő	ŏ	0		ó	,	0	
4	0	0	0				0	ō	Ö		ŏ	ŏ		ŏ	o	ŏ	ŏ	ŏ	ő	0	0		0	0	0
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												,	-	38	3	1	1	19	1	1	1	1	1	2	1
1.1	1	1	2		1	1	- 1	0	1	•	0	0	11	1	9		19	7.0		1		1.61		-	
12	7	4	4	2	1	1	1	1	- 1	3	1	1	- 9	- 1	- 4		á	- 1	,	2	1	2	- 2	3	1
13	2	1	o	, c	0	0	0	ò	ò		i	- 1	- 1		2	2		2	-	2	2	- 2	- 2	1	2
14	0	0	ō				- 1	ĭ	ĭ		ó	- 4	- 2	19	- 1	,					2	1	2	0	,
15	1	ī	1	1	1	1			- 4		1	- 4	0		- 1		- 4				2	2	2	2	1
16	0	o	- 1	,	0	Ó	ò	- 1	- 1		- 1	,	2	2	- 1		,		2	2	1	1.	1	1	1
17	1	ĭ	- ;	1	1	ő	·		- 1		- 1		3		1			- 4			2	2	2	2	1
18	3	2		,	o		o	ò	ď	, 0	ò	- 1			1	1	1	- 4	2	2	2	2	2	2	,
19	ĭ	•	,	Ċ			ő	Ÿ	٠	, ,	٠	- 1		- 1		1	1	1	2	1	3	2	2	4	1
20	ó		,	,	. 0		0	2	- !	1	- 2	- 1	- 1	1	1	1	1	1	1	0	2	0	1	1	1
20					Ŏ		U	U	- 3	1	. 1	- 1	1,	1	- 1	1	2	- 1	1	1	1	1	1	0	1
21	0	0	0		0	0	1	1	1		1	0	1	1			0		1	1			100	_	
22	1	1	1	1	0		1	1	ò	0	Ó	ő	ó	ò	ó	- 1	0					- 1	- 4	0	1
23	1	1	0	0			· i	,	1		1	ĭ	ĭ	1		- 1	1				!	- 1		0	,
24	0	0	o				0	o	ò		ò	- 4	á	ó	0	ò	o	- 1		1	- 1	- 1	- 1	1	1
25	1	1	0				0	ŏ	ă		õ	o	ő	õ	Ö	ő	ő	ò	ò	ò	ó	ò	,	ò	0
26	0	0	Õ				0	1	1	1	o	1	o	~		ĭ	2	Ÿ	·					0	Ü
27	0	0	ō				1	2	- 8												!				1
28			-	-		-		•					DATA	INVAL	ID .										
29													DATA	INVAL	ID -										
30			••••							3	2	2	2	2	3	2	2	2	1	2		1		2	
												_	-	-		-		•		-				•	
MEAN	1	1	1	- 0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 89.4

PERCENTAGE OF DATA INVALID - 10.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. . " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON MONTH - OCT 77 HOUR 8 9 10 14 15 16 17 19 20 21 22 23 0 ... 0000 00102 00112 10 0 11 12 13 14 15 16 17 18 19 20 0 0 0 0 0 0 21 22 23 24 25 26 27 28 29 31 0 0 0 0 0 0 o 0 0 0 0 MEAN 1.2

PERCENTAGE OF DATA VALID - 93.4

PERCENTAGE OF DATA INVALID - 6.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 1	5001 WESTERN	FAIR GROUNDS	KING/RECTORY LONDON
-------------------	--------------	--------------	---------------------

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	20	17	3	10
FEB	15	2.1	4	10
MAR	17	1.3	2	15
APR	28	1.2	3	6
MAY	31	1.2	2	11
JUN	30	0.8	ĵ	5
JUL	31	0.5	Ĭ	4
AUG	28	0.8	3	5
SEP	26	0.7	2	7
OCT	29	1.2	3	16
NOV	30	0.8	2	7
DEC	30	0.9	2	
YEAR	315	1.1	4	8
	V- 11-5	<b>₽</b> ( <b>4</b> , <b>4</b> )	~	16

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

S - 200 F F			.00.1011 101	. 13/1			
POLLUTANT	- CARBON M	ONOXIDE				UNITS - P	ARTS/MILLION
STATION .	SW NO 15	001 WES	STERN FAIR	GROUNDS KI	NG/RECTORY	LONDON	
MONT	H 00 TO 01	02 10 03	04 TO 08	09 TO 13	14 TO 30	31 BOVER	TOTAL
JAN	298	206	44	2	0	0	550
FEB	191	169	53	3	o	o	416
MAR	259	146	6	o		0	412
APR	510	163	22	o	0	0	695
MAY	574	120	39	1	0	0	734
JUN	678	32	5	0	0	o	715
JUL	706	31	1	0	0	0	738
AUG	601	72	15	0	٥	0	688
SEP	571	69	4	0	o	0	644
oct	540	103	48	3	1	0	695
NOV	613	84	15	0	0	0	712
DEC	588	127	9	0	0	0	724
YEAR	6129	1322	261	9	2	n	7723

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	PERCENT OF DATA				FREQUENCY		TRATIONS	DESCENT				
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
	88.2	0	0.0	0.0	0.4	О.В	1.8	2.6	3.8	4.0	15	

POLLUTANT - CARBON MONOXIDE

### UNITS - PARTS/MILLION

	POL	UIA		HADON.	morro.								_												
	STA	TION -	WC	NO 21	6029	Τβ	RAILES	S EDN	/FRE	DERIC	K ST	KITO	HENER			MONT	н	IAN	77						
HOUR	t	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6	1 1 1 1 5 1	1 1 1 1 3 1	1 1 1 2 1	1 1 1 2 1	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 2	0 1 2 1 3 7	0 1 2 1 3 7	1 1 2 2 4 5 1	1 1 2 3 4	1 2 1 2 1	1 1 2 1 2 2 2	1 1 1 1 1 1 1	1 2 1 1 1 1 1	1 1 2 1 2	1 1 2 2 3 2	1 1 3 2 7 2	1 2 2 8 2	1 1 2 2 6 1	1 1 2 3 6 1	1 2 2 2 4 1	1 1 1 7 1	1 2 1 3 5 1 1	1 2 1 2 4 1	1 1 2 2 3 2 1
8 9 10	2 1 2	1 1 2	1 2	1 2	1 1 2	1 1 2	1 1 3	1 3	2 2 2	2 2 2	1 2 2	2 2 2	3	1 2 2	2 2 2	2 2 2	2 2 2	1	1 2 1	1 2 1	1 2	1 2 1	1 2	1 2 1	1 2 2
11 12 13 14 15 16 17 18 19 20	1 1 1 1 2 1 1 1 1	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 2 1 1 1 1	0 1 1 2 1 1 1 1 1 1 1 1	0 1 2 1 1 1 1	0 1 1 2 1 1 1 2 1	0 1 2 3 1 1 1 3 1	1 2 3 3 1 1 2 4 2	1 2 3 3 2 1 1 6 2	1 1 2 2 2 1 1 2 2	1 2 3 2 1 2 2 1	1 1 2 2 2 1 2 2 1	1 1 2 3 2 1 2 2 1 1	1 2 4 2 1 2 1 1 2	1 1 2 3 2 1 2 1 1 2	1 3 5 2 1 1 2 2	2 3 5 2 1 1 1 2 3	2 4 2 1 1 1 1 2	1 1 2 4 1 1 1 1 1 1 2 2	1 1 2 4 1 1 1 1 1 2	2 3 1 1 1 1 1 2	1 1 2 2 1 1 2 1 2	2 1 1 2 1 1 2 1 1 2	1 1 2 1 1 2 1 1 2	1 1 2 3 1 1 1 2 1 2
21 22 23 24 25 26 27 28 29 30	2 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 0 0 1 1	1 1 1 1 1 1 0 0	1 1 1 1 1 0 0 1	1 1 1 1 1 0 0	1 1 1 1 1 1 1 0 0	2 1 1 2 2 1 1 2 0 0	2 1 1 2 3 2 1 2 0	2 1 1 2 3 1 1 2 0 0	1 1 1 2 2 1 1 2 1 0	1 2 1 2 2 1 0 3 1	1 2 1 2 2 1 1 2 1 0	1 2 1 1 2 1 1 1 2	2 2 1 1 1 1 1 1 2 0	2 1 2 1 1 1 2 0	3 2 1 3 1 1 2 3 0	3 2 1 3 2 2 2 2 3 0	3 2 1 2 1 2 1 2 0	2 1 2 1 0 1 1	3 1 1 2 1 1 0 1 0	2 1 1 2 1 1 0 1 0	1 1 1 0 0 0 0	1 1 1 1 1 0 0 0 0 0	2 1 1 1 1 0 0 0 0 0	2 1 2 1 1 1 1 0
31	0	0	0	0	0	0	0	1:	1	1	1	1	1	1	1	2	2	2	2	1	0	0	0	0	1
MEAN	7	1	(1)	3	1	1	2	2	2	2	1	-1	1	1	1	2	2	2	2	1	1	1	3	1	1.4

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- 0	ARBO	N MONO	XIDE							υ	NITS	- PAR	TS/MI	LLION	i								
	STA	TION -	WC	NO	26029	Т	RAILER	EDNA	A/FRE	DERIC	K ST	KITO	HENER			MONT	н - г	EB	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 0 1 1 1 1 0 1	0 0 1 1 1 0 0 1 1 1 1	0 0 1 1 1 1 0 1 1	0 0 1 1 1 0 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 2 2 1 2 2 1	1 1 2 1 1 2 3 1 2	1 1 2 1 1 2 1 2	1 1 1 1 2 1 1 2 1 2	1 1 1 2 1 1 1 2	1 1 2 1 1 1 1 1	1 1 1 2 1 1 1	1 1 2 2 1 1 1 1 1 1	1 1 2 2 1 1 1 2 2	2 1 1 3 2 1 1 1 2 2	2 1 3 2 1 1 2 3	1 1 3 1 1 1 1 2 4	1 1 2 1 1 1 1 4	1 1 2 1 1 1 1 1 4	0 1 1 2 1 1 1 1 1 2	0 1 1 2 1 1 1 1 2	0 1 1 1 1 1 1 1 1 1		1 1 2 1 1 1 1 2
11 12 13 14 15 16 17 18 19	1 1 2 0 1 1 0 1 1 1	1 1 0 0 1 1 1 1	1 1 0 1 0 1 1 1	1 1 0 1 0 0 1 1 1 1	1 1 0 1 0 1 1 1 1 1 1	1 0 1 0 1 0 1	1 0 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 0 1 1 1 3 1 1 1	1 2 0 1 2 1 2 2 1 1	1 2 1 1 2 1 2 2 1	1 2 0 1 1 1 2 1 1	1 2 0 1 1 1 2 1 1	1	1 2 1 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1	1 2 1 1 1 1 2 2 1	1 2 0 1 1 2 2 2 1	1 2 0 1 1 2 2 3 1 1	1 2 0 1 1 1 2 2 1 1	1 2 0 1 1 1 2 2 1	1 2 0 1 1 1 2 1 1 1	1 2 0 1 1 1 2 1 1 1	1 2 0 1 1 1 1 1	1 3 0 1 1 0 1 1 1		1 2 1 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28	0 1 2 1 1 0 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 0 1	1 1 1 1 0 1	1 1 2 1 1 1	1 1 2 1 1 1 1 1	2 1 2 2 1 1 1	1 1 2 1 1 1 1 1	1 1 2 1 1 2 2	1 1 2 1 1 2 2	1 1 3 1 1	1 1 3 1 1 1 1	1 2 2 3 1 1 1	1 2 2 4 1 1 1 1 1	2 3 2 4 1 2 1 2	2 3 2 1 2 1 2	2 4 2 1 1 2 1 2	2 4 2 1 1 2 1 1	1 6 1 1 1 1	1 7 1 1 1 1 1	1 1 1 1 1	1 3 1 1 1 1 1 1 1		1 2 1 2 1 1 1 1
MEAN	1	1	1	1	1	1	1	1	1	1	1	-1	1	1	1	1	2	2	2	1	1	1	1	1	- 1	. 2

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION

	STA	TION -	WC	NO	26029	T	RAILE	R EDN	A/FRI	EDERIC	K ST	KITO	HENE	R		MON	TH -	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 1 2 1 1 1 1 1 0	1 1 2 1 1 1 1 1 0	1 1 1 1 1 1 0 0	1 1 2 1 1 1 1 1 0 0	1 1 2 1 1 1 1 1 0	1 1 3 1 1 1 1 0 0	1 1 6 2 1 1 1 2 0	1 1 7 2 1 1 1 2 1	1 2 7 3 1 1 2 2	1 1 5 2 1 1 2 2 0 1	1 1 3 2 1 1 2 0 1	1 1 2 2 2 1 2 0 0	1 1 2 2 2 1 2 0 1 1	1 1 2 2 2 1 2 0 1 1	1 3 2 2 1 1 1	1 2 3 3 2 1 2 1	1 2 2 3 1 1 2 1 1	1 2 2 4 1 1 2 1 1 2	1 2 2 2 1 1 2 1 1 5	1 2 2 1 1 1 2 1 1 8	1 2 2 1 1 1 1 0 9	1 1 2 1 1 1 0 0	1 1 2 1 1 1 0 0	1 1 2 1 1 2 1 0 6	1 1 3 2 1 1 2 1 0 3
11 12 13 14 15 16 17 18 19	4 2 1 0 6 2 1 1 1 3	4 4 1 0 7 1 1 1	4 4 1 0 4 0 1 1 1 2	4 3 0 0 2 0 1 2	4 3 0 0 2 0 1 1 1	4 2 0 0 4 0 1	7 4 0 1 7 1 1 2 3	11 4 0 1 9 1 1 2 3	6 2 0 1 7 1 1 2 2	4 1 0 1 2 1 1 2 2 2	2 1 1 1 1 1 1 2 2 2 2	2 1 1 1 1 1 2 2 2 2	1 1 1 1 2 2 2	1 2 1 1 1 1 2 2 2 2	2 2 1 1 1 1 1 2 2 2 2	2 1 1 2 1 1 2 2 1	2 2 1 1 3 1 2 3 2 1	3 1 2 3 1 3 3 2	2 1 1 2 3 1 2 2 2 1	2 1 1 1 2 1 2 2 3	1 1 1 1 1 2 1 3	1 1 0 2 2 1 1 1 1	1 1 0 4 2 1 1 1 1	1 0 6 2 1 1 1 2 1	3 2 1 1 3 1 1 2 2 1 1
21 22 23 24 25 26 27 28 29 30	1 1 0 0 0 1 3 1 0 1	1 0 0 0 1 3 1 0	1 1 0 0 0 1 2 1 0 1	1 0 0 0 0 0 2 1 0 1	1 0 0 0 0 1 1	0000	2 1 0 0 1 1 2 2 0 1	2 1 1 0 1 1 1 3 0 2	2 2 1 1 1 3 0 2	1 1 2 1 1 2 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 0 0	1 1 0 0	1 1 0 1 1 1 0 0	1 1 0 1 1 1 0 0	1 1 1 1 1 1 1 0 1	2 1 1 1 2 2 1 1	4 1 1 2 2 1 1 3 1	2 1 1 2 1 1 1 1	2 0 1 1 2 1 1 1 1	1 1 1 2 2 1 1 1 0	1 1 0 1 2 1 0 1 0	1 0 0 1 1 1 0 0 1	1 0 0 1 1 2 1 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	•••• 1			····								1.3

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

  2. "\*\* INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- C	ARBON	MONOX	IDE							UN	1115	PAR	TS/MI	LLION								
	STA	TION -	WC	NO 2	6029	TR	AILER	EDNA	A/FRE	DERICK	ST	KITCH	ENER			MONT	4 - AI	JG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												- DA - DATA - DATA - DATA - DATA - DATA - DATA - DATA	UNA	/AILA! /AILA! /AILA! /AILA! /AILA!	BLE -										
11 12 13 14 15 16 17 18 19												- DATA	UNA UNA UNA UNA UNA UNA	VAILAI VAILAI VAILAI VAILAI VAILAI VAILAI	BLE - BLE - BLE - BLE - BLE - BLE - BLE -										
21 22 23 24 25 26 27 28 29 30	0 1 2 0 0	0 1 2 0 0	0 1 2 0 0 0 0	. 0 1 1 0 0 0	0 1 0 0 0 0 0	1 3 0 0	3 4 0 0 0 1	2 4 0 0 0 1	1 2 0 0 0 1	1 0 0 0 1	1 0 0 0 1	- DATA - DATA 1 1 1 0 0	UNA	VAILA	BLE -	1 0 0 0 2	1 2 1 0 0 0 0 2	1 0 0 0 1	1 1 0 0 0 1	1 2 2 0 0 0 1	1 1 2 0 0 0 2	1 0 2 0 0	1 0 2 0 0 0 2	1 0 0 0 1	1 2 0 0 0
31	1	1	1	0	1	1	2	2	1	1	1	1	1	1	0	1	1	0	1	1	•	٥	0	0	1
MEAN	1	1	1	0	D	1	1	ï	if	1	1	1	1	Ĭ	4	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 24.5

PERCENTAGE OF DATA INVALID - 4.8

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. " --- INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA UNAVAILABLE - 70.7

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	- WC	NO	26029		TRAILER	ED	NA/FRI	DERIC	CK ST	KIT	CHENE	R		MONT	н - н	vov	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 ME	/N
1	1	1	1	1	1	1	1	2	2	1	1	****	1	1	1	2	3	2	3	3	2	2	2	1	-
2	0	0	0	0	0	1	3	7	4		1	1	î	- 4	- 4	2	2	4	2	1	2	2	2	2	2
3	1	1	1	1	1	1	3	6	5	2	1	1	1	î	4	2	3 2 2	4	2	2	2	3	3	1	2
4	0	0	0	1	0	1	1	2	2	1	2	2	2	2	2	2	4	4	3	3	2		1	4	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 7	1	1		1	7		- 1	- 4	•	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	- 1	- 1		•	- 1	- 1	ò	
7	0	0	0	0	0	1	1	- 1	- 1	1	1	1	1	****	4	1	2	2	i				- 1	1	- 2
8	1	1	1	1	1	1	1	2	2	2 2 2	2	2	2	2	,	2	2	3			1	2	2	2	2
9	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	5	2
10	1	1	1	1	1	1	3	2	3 2	2	1	2 2 2	2	2 2 2	2 2 2	2 3 2	2	2	2 2 2	2	2	2	í	÷	2
1 1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-
12	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	2	2	1	1	2 2 2	2	2 2 2 3	2	2 2 2 3	2	2	2	2	2	2	2	2 2 2	2	2	2 2 2	2	2	2 2 2
14	2	2	2	2	2	2	2	3	3	2	3	2	1	1	1	1	2	2	5	2	î	î	1	1	2
15	0	0	0	1	1	1	2	4	4	1	1	1	1	2	2	1	1	1	1	ī	- 4	4	ó	ò	- 1
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	4	1	1	1	1	- 4		4	1	Ÿ	- 100
17	1	1	1	1	1	1	1	2	2	2	2	1	1	1	4	2	3	2	2	3	4	1	ó	- 1	
18 19 20	0	0	0	0	0	0	1	1	1	0	1	1	19	****	0	19	19	1	0	ŏ	ò	ó	o	ò	3
19	0	0	0	0	0	0	0	0	0	1	1	1	1	t	1	1	1	1	1	1	ĭ	4	4	3	
	4	2	1	1	3	1	1	1	1	1	1	1	î	1	1	1	1	1	2	2	2	1	1	1	i
21 22 23 24 25	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	ĩ	1	1	1	1	1	4
22	1	1	1	1	1	1	1	1	1	1	1	î	1	2	3	3	5	3			2	2	2	1	2
23	1	2	1	1	1	1	2	2	2	1	1	****	1	1	1	3	5	3	2	2 1 1	1	ĩ	ĩ	i	1
24	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	î	1	Ċ	1
25	0	1	0	0	1	1	1	2	2	2	2	2	1	f	2	4	5	3	2	2	2	1	1	ĭ	2
26 27	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	4	1
27	1	1	1	1	0	1	**** **	* *			~	8					*				2	-	40		
28												- DA	TA UN	AVAIL	ABLE .	-									
29	2	7.5	50 <b>-</b> 51			*	*		****	5	3	4	4	3	4	3	4	6	6	8	4	7	5	6 ***	
30	5	4	3	2	2	3	4	8	8	3	2	2	3	2	2	3	3	2	6 2	2	2	7	5	1	3
MEAN	1	1	1	1	1	1	1	2	2	2	1	2	2	1	2	2	3	2	2	2	2	2	2	1	1.6

PERCENTAGE OF DATA VALID - 92.4 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 6.7

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANŤ	- C	ARBO	N MONO	XIDE								UNITS	- PAI	RTS/N	MILLIC	NC								
	STA	TION -	WC	NO	26029		TRAILER	EDN	NA/FR	EDERIC	K ST	KIT	CHENE	R		MON	тн -	DEC	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	. 22	23	24	MEAN	
1 2 3 4 5 6 7	0	1	1	1	1	1	3	5	1	1	1	:	DATA DATA DATA	1 INVALI INVALI INVALI INVALI	10 - 10 - 10 -		****		***!	****	!	!		1	1	
8 9	1		•	1		1	1		-	****	4	4	3	2	2	3	3	2	2	2	2	1	1	1	*****	é
10	i	i	î	i	1	i	î	i	1	1 2	2	1	1	1 2	2	2	2 3	2 2 3	2 2 3	2	3	1	1	1 6	1 2	1
11 12 13 14 15 16 17 18 19 20	6 3 0 1 1 1 1 1 1 1	5 3 1 3 1 1 1 1	4 2 0 1 1 1 1 1 1	2 2 0 1 0 1 1 1 1 1 1 1	1 1 0 1 0 1 1 1 1	2 2 0 2 0 1 1 1 1 1 1	2 3 1 6 1 2 1 1 2 1	2 5 1 9 3 4 1 1 2 2	1 3 1 9 3 4 1 1 2 2	2 1 5 2 3 1 1 2 2	2 2 1 5 2 2 1 1 2 2	2 1 5 2 1 1 2 2	2 2 1 4 1 2 1 1 2	2 1 1 3 2 2 1 1 1 2	2 2 1 3 2 2 1 1 2 2	2 2 2 4 2 2 2 1 2 2	4 3 3 2 3 1 1 3 4	6 2 2 5 2 2 1 1 2 4	8 1 2 2 2 2 1 1 1 2 4	7 1 1 3 2 1 1 1 1 2 2	5 1 2 2 1 1 1 1	7 1 2 2 1 1 1 1 1 2	5 1 2 1 1 1 1 1 2 2	2 0 1 1 1 1 1 1 1 2 2 2		2
21 22 23 24 25 26 27 28 29	1 1 2 1 1 1 1 2	1 1 2 1 1 1 1 1 2	1 1 2 1 1 1 1 1 2	1 1 1 1 2 1 1 2 2 1 1 2 2	1 1 1 1 2 1 1 2 2	1 1 1 1 2 2 2 2 2	2 1 2 1 1 2 2 2 3	2 1 2 1 1 2 2 2 4	2 2 1 3 1 1 2 2 2 4	2 2 2 3 1 1 2 2 4	3 2 4 1 2 2 2 4	3 2 2 3 2 2 2 2 4	2 2 2 1 1 2 2 2 2	2 2 2 1 1 2 2 2 3	2 2 2 1 1 2 2 2 4	2 2 2 2 1 1 2 2 3 4	3 2 3 1 1 2 2 3 4	2 2 3 1 2 2 2 3 4	2 2 2 2 2 2 2 4	2 2 2 2 2 2 2 2 5	222322226	2 1 2 2 2 2 2 2 2 2 2 7	2 2 2 2 2 2 2 7	222222228	2 2 2	2
31	7	7	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	į
MEAN	2	2	1	1	1	Ť	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9	,

PERCENTAGE OF DATA VALID - 81.3 PERCENTAGE OF DATA INVALID - 11.3

PERCENTAGE OF DATA UNAVAILABLE - 7.4

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH - JAN 77 HOUR 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 3 2 2 2 12 13 14 15 16 17 18 19 22 23 24 25 26 27 28 29 30 2 2 2 2 3 2 2 2 2 2 2

2 2 2 2 2

3 3 2

PERCENTAGE OF DATA VALID - 99.5

MEAN

2 2

PERCENTAGE OF DATA INVALID - 0.5

3 3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

2 2 2 2

1 2

1.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. " \*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONCXIDE UNITS - PARTS/MILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH - FEB 77 9 10 11 12 13 14 15 16 17 18 19 24 MEAN HOUR 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 1 2 2 2 1 2 2 2 3 2 2 2 22 23 24 25 26 27 28 1 2 2 1 2 1 2 2 1 4 2 2 2 2 1 1.8 MEAN 

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - O.D.

- 2. . INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION -	WC	NO 2	7037		NORTH/	GENEVA	ST	REET.	ST.	CATH	ARINES	5		MONT	TH - 1	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	2 2 2 1 1 1 1 2 1 1	2 2 2 1 1 1 1 2	2 2 1 1 1 1 2 1 1	2 2 1 1 1 1 2 1 1	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 2 2 1	2 2 2 2 6 2 1 1 2 2	2 3 2 3 3 2 1 1 2 2 2	2 3 2 3 1 1 1 2 2	2 3 2 2 1 1	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 1 1 1 0	2 3 1 2 4 1 1 1 1 2	2 2 1 2 5 1 1 1 1 1	2 3 1 2 5 2 2 1	2 2 2 2 2 1	2 2 2 2 1 1	2 1 1 2 1 2 2 1	2 2 1 1 3 1 2 2	2 3 1 1 2 2 2 1 1	2 2 1 1 1 2 3 1 1	2 1 1 1 2 3 1 1	2 2 1 1 1 3 1 1	2 2 2 1 1 1 3	2 2 2 2 2 2 1 1 2 1
11 12 13 14 15 16 17 18 19	1 2 1 2 6 2 2 1 1 1	1 1 1 2 4 2 1 2	1 1 2 4 1 1 1 2	1 1 2 2 1 1 1 1 1 1 1 1	1 1 2 2 1 1 1 2 1	2 2 1 2 2 3 1 1 2 2 2	2 3 2 2 2 3 2 1 5 2	2 2 2 2 3 3 2 2 2 2 2	1 2 2 2 1 2 2 1 1 3	1 1 1 2 1 2 1 1 2 2	2 2 2 2 1 1 2	1 2 2 2 2 2 2 1 1 1	2 2 2 2 2 1 1 1	1 2 2 1 1 1 2 1 1 1	1 3 2 2 1 2 2 1 1 1 1	1 2 2 2 1 2 2 1 1 1 1	1 2 2 2 1 2 1 1 2	1 1 2 2 1 1 2 2 1	1 2 2 2 2 2 1 2 1 1 1	1 1 3 2 2 1 2 2 1 1	1 1 2 2 2 2 1 1 2 1	2 2 2 1 1 2 1	1 3 1 2 3 2 2 1 1	1 2 4 2 2 1 1 1 1	1 2 2 2 2 2 2 1 1 1
21 22 23 24 25 26 27 28 29	1 1 0 0 1 1 1 2 2 3	1 1 0 0 0 1 1 1 2 1 2	1 1 0 0 1 1 1 1 1 2 2	0 1 0 0 1 1 1 2	1 1 0 1 1 1 2 2 2	0 0 1 1 2 1 2 2 1 3	0 0 0 1 2 1 2 2 2 2 2 2	1 1 1 2 2 2 1 2 2 3	1 1 1 1 1 2 2 2 2	1 1 1 0 1 1 2 2 2 2	1 2 1 1 1 2 2 2 2	1 1 0 1 1 1 1 2 2	1 0 1 1 1 1 2 2 2 2	1 0 1 1 1 1 1 2 2	1 0 1 2 1 1 2 2 1 2	1 0 1 2 1 1 2 2 2	1 0 1 2 1 1 2 2 2 2 2	1 1 2 2 1 1 2 2 2 2 2	1 0 1 2 1 1 1 1 2 2	1 1 2 1 2 1 2 1	2 1 3 1 2 2 1 2 1	1 2 1 3 1 2 2 1 2	1 1 0 2 1 3 2 2 2 2 2	1 1 0 1 1 2 2 1 2 2	1 1 1 1 1 1 2 2 2 2
31 MEAN	1	1	1	1	1	2	3 2	2	3 2	1	2	1	2	1	2	2	2	2	1	2	2	2	2	2	2 1.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

		POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION																						
STA	ATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														RTS/MI	LLION								
	TION .	wc	NO 2	7037	,	NORTH/	GENEVA	ST	REET.	ST.	CATH	ARINES	į.		MONT	н - ,	JUN	77						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 1 2 2 0 1 0 2 2 3	1 2 1 0 0 0 2 1 3	1 1 2 1 1 1 0 2 1 2	1 1 1 1 1 1 1 2 2 2 2	1 0 1 1 0 1 1 1 2 2	1 1 1 1 1 1 1 2 3	2 2 3 1 0 1 1 3 2 2	2 1 0 1 1 2 2 2	1	1 1 1	1 0 1 1 1 1 1 2 2 2 2	1 1 0 1 1 2 1 3	1 1 1 1 1 2 2 3 3 2	1 2 1 1 1 2 1 3 2	1 1 2 0 1 1 2 3 3 2	1 1 0 1 1 2 2 3 2	1 1 0 1 1 2 2 2 2	0 1 1 0 0 0 2 2 2 2 2	1 2 2 1 0 0 2 2 2 2 2	0 0 1 1 1 1 2 2 2 2 2	0 2 1 1 1 1 2 2 2 2	0 2 1 0 2 2 2 2 2	0 3 1 0 2 0 2 2 2 3	1 2 2 0 1 0 2 2 2 2 2	1 1 1 1 1 1 1 2 2 2 2
3 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 1 2 2 1 1 2 2	2 2 2 1 2 1 2 1 1	2 1 2 1 2 1 2	2 2 2 2 1 1 1 1	2 2 2 2 1 2 1 2	2233132222	2 2 3 2 1 2 3 1 2 2 2	2 2 2 1 2 2 1 1 2	2 2 2 2 1 1 2 2 2	2 2 2 2 2 1 2 2	2 2 2 2 1 1 2 2	2 3 1 2 2 1 2 2 2	2 3 2 2 1 2 1 1 2	2 2 2 2 2 1 1 2	2 2 2 2 1 1 2	2 2 3 2 2 1 1 1 2	2 2 2 2 1 1 1 2	2 2 2 2 1 2 2	2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 3 1 2 3	2 4 3 3 4 2 3 2 3 2	2 2 3 2 4 2 2 1 2 2	2 2 2 2 1 2 1 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1 1 5 1 0 1 0 3 1 1 1	2 1 4 1 0 0 0 2 1 1	2 1 2 3 0 0 0 2 1 1	2 1 2 1 0 0 0 1 1 1 1	1 1 1 1 0 0 0 0 0 1 1 1	1 1 2 0 0 0 0 1 1 1 4 4	2 1 0 1 1 3 6	1 0 2 1 2 2	2	1 0 0 1 2	1 0 0 0	1 1 0 0 0 1 2 2	1 2 1 1 0 0 0 2 2 2 2	1 1 1 1 0 0 1 1 2	1 1 1 0 0 0 0 2 1 2	1 1 1 1 0 1 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 2 2 2	1 1 1 0 0 0 1 2 2	1 0 1 1 0 1 1 2	1 0 1 1 0 1 2	1 2 1 2 1 1 2 2 1 1 2 2	2 4 2 1 1 0 3 1 2 2	1 4 2 0 2 1 3 1 2 2	1 3 2 0 2 0 2 1 1 1	1 1 2 1 1 0 1 1 1 2
	1122010223 322222222 115101031	1 1 1 2 2 1 0 0 0 0 2 1 1 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	ST	ATION	- wc	NO	27037		NORTH	/GENE	VA ST	REET,	51	CATE	HARINE	s		MON	TH - 5	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	••••	••••	••••	•••	••••	• • • •	••••	••••			• • • •		• • • •	1	1	2	1	1	1	1	0	1	1	1.	
2 3 4 5 6 7 8	0	0	0 2 3 1	0	0	1	1	1	2	3	2	3	2	2	2	3	3		4				3		
4	3	2 3	2	2	2	2	3	3	3	3	3	2	2	2	,	2	2	2		2	2	2	2	ã	5
5	3 2	1	3	3	2 1 1	2 2 2 3 2	3 2 2 4 3	2 2 4 2	3 2 2	3 2 1 1	3 1 1	2		1	,	1	2	3 2 2 1 2	2 2 2 1	3 3 1 2 2	3 2 3 1	3 2 2	2 1 2 1	3 2 1 2	2 1 1 2 2 2 2
6	ī	i		,	1	2	2	2	2	2	- 1	1	1	1	2	1	1	2	2	1	1	1	1	1	1
7	2	2	1	1	1	3	4	4	1 2 1	- 1	- 1	2	2	2	- 1	1 2 2	2 2	1	2	2	2	1	2	2	1
8	1	1	1	1	1	2	3	2	- 7	2	2	2	2	2	î	2		-		2	1	2		1	2
9	1	1	1	1	1	1	2	2	2	2	2	2	2	1	- 1	2	ร์	- 3		2	2	1 2	2	2 2	2
10													DATA	INVAL	0 -	•	•	- 1		1	1	2	2	2	2
1.1													DATA	Ekwaya 1	0										
12													DATA	INVALI	0 .										
13												- D:	TA UN	AVATIO	BIE -	ě									
14												- D4	TA UN	AVAILA	BLF -										
15												- DA	TA UN	AVAILA	BLE -										
16												- D#	TA UN	AVAILA	BLE -	i									
18												- DA	TA UN	AVAILA	BLE -	į.									
19													TA UN												
20													TA UN												
												- 02	TA UN	AVAILA	RIE -										
21												- DA	TA UN	AVATIA	BIE -										
22												- DA	TA UN	AVATLA	BIE -										
23												- DA	TA UN	AVAILA	BLE -	el .									
24												- DA	TA UN	AVAILA	BLE -										
25 26												- DA	TA UN	AVAILA	BLE -										
27													TA UN												
28												- DA	TA UN	AVAILA	BLE .										
29												- DA	TA UNA	AVAILA	BLE -										
30												- DA	TA UNA	AVAILA	BLE -										
MEAN	2	1		90	1	2	3	2	-		_														
	-	•				-	3	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	1.7
PERCEN	TAGE	OF DATA	A VAL	ID -	28.2			PERCE	NTAGE	OF DA	TA I	NVAL I	n - 1	R 6		Dec	CENT								
NOTES														0.0		PER	CENTA	IGE O	FDATA	UNA	AILAE	SLE .	63.2		
HUIES	500		NUIC	AIES	INVAL	ID D	ATA D	UE TO	INST	RUMENT	ATIO	N FAI	LURE												

- 2. •- INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	T - C	ARBON	MONO	XIDE									UNI	rs -	PA	RTS/MI	LLION	ę.								
	STA	TION	- wc	NO 2	7037	,	NORTH/	GENEVA	STI	REET.	ST.	CA	THAR	INE	S			MONT	н - с	ст	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	1.	2	13	14		15	16	17	18	. 19	20	21	22	23	24	MEAN	
1												- 1	DATA	UN	AVA	1 4 6	BIE .											
2 3 4 5 6 7 8 9															AVA													
3												•	ATAC	UN	AVA	LAE	BLE .	-										
5															AVA													
6													DAIA	UN	AVA	LAE	BLE											
7															AVA													
в															AVA													
															AVA													
10															AVAI													
1.1												- 1	DATA	UN	AVA	LAE	3LF											
1.2															AVAI													
13															AVA													
15															AVA													
16															AVAI													
17												- 1	ATA	UN	AVAL	LAC	SLE .											
18															AVAI													
19															AVAI													
20	•	•			*	4	-	•	•					Ĭ.				1	1	2	2	2	1	1	1	1	•••••	
21	1	1	1	1	1	1	1	1	3	6	4	3	3	2	- 1		• •	1	1	ï	1	2	2	2	2	1	2	
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	,	1	1	1	1	1	1	1	1	
24	1	,	2	2	2	2	1	1 7 5 2 5	1	6	1			1	1		1	1	1	1	1	1	1	1	1.	1	1	
25	4	2 3 2	2 3 2 2	2	2 2 1	4	6 2 4	,	6 5 2	3	4	9	5	3		,	2	2	2	4	4	4	4	3	4	4	3 2 2 2 2	
26	2		2	2	2	2 2	2	2	2	2 .		- 15			- 1		1	1	1	1	4	4	3	3	3	3	3	
27	3	3		1				5	4	4	4	- 3	3	3	2	2	2	2	2	2	2 2 2	3	,	1	1	1	2	
28	1	1	1	1	0	1	1	1	1	1	1			1	- 1		1	1	1	2	2	3	4	6	7	6	2	
29 30	6	6	4	3	2	2	2	2	2	1	- 1	- 1	1	1	- 1		1	1	1	1	2	2	2	1	2	2	2	
	_	2	2	1	2	1	,	1	1	1	1			0	C	)	1	1	1	1	1	1	1	1	1	1	1	
31	1	,	1	1	1	1	1	1	1	2	2		Ĺ	1	• • • •	i.	1	1	1	1	1	1	1	1	1	٥	1	
MEAN	2	2	2	1	1	2	2	2	2	3	3	-	2	2	1		1.	1	1	2	2	2	2	2	2	2	1.9	
PERCENT	AGE O	F DATA	VAL	10 -	35.9		P	ERCENT	AGE	OF DA	TA I	NVAL	ID		0.8			PER	CENTA	GE O	DATA	UNAV	ALLA	SLE .	63.3			
NOTES 1		••••	INDIC	ATES	INVAL	10 04	ATA DU	E TO I	NSTR	RUMENT	ATIO	N F	I LU	RE														

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - 1	W.C	NO 27037	NORTH/GENEVA	STREET.	ST	CATHADINES

MONTH	NO OF DAYS	AVERAGE CO	DNCENT 24-HOUR	MAXIMUM MAXIMUM	READING
JAN	31	1.9	3		
FEB	28	1.8	3		
MAR	31	1.9	4	•	
APR	30	2.1	3	•••	
MAY	. 31	1,5	2		
JUN	30	1.5	2		
JUL	27	1.0	2	•	
AUG	26	1.0	2		
SEP	8	1.7	2	•	
OCT	11	1.9	3	-	
NOV	25	1.1	2	,	
DEC	25	1.1			
YEAR	303	1.5	2	•	
	18	1.5	4	23	l.

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - PARTS/MILLION

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - CARBON MONOXIDE

								UN112 -	PARTS/M	ILLION			
STATION -	WC N	0 270	037	NO	RTH/GENEVA	STREET, S	T. CATHAR	NES					
MONT	н оо т	0 01	02	TO 03	04 10 08	09 TO 13	14 TO 30	31 &OVE	R TOT	A L			
JAN	i.	261		445	32	2	0		0	740			
FEB	E.	270		370	28	2	0		0	570			
MAR		249		464	26	0	1	4	0	740			
APR		141		548	27	0	0	9	0	716			
MAY		381		348	10	0	0	9	0	739			
JUN		357		342	10	0	0	9	0 ;	709			
JUL		525		134	4	0	0		0 (	663			
AUG		515		92	8	2	2		0 6	19			
SEP		86		114	3	0	0		0 2	203			
OCT		150		во	37	0	0		0 2	67			
NOV		475		122	12	0	0		ο 6	609			
DEC		487		115	11	0	0			13			
YEAR		3897		3174	208	6	3	(	72	88			
FREQUENCY	DISTR	DUTT	ON P	V DER.	ENTINE								
2021401	PERCE!	VT.	VII 8	PERC	ENTILES		CONCEN	TRATIONS					
	VALI		MIN		10	30 FREQUI	ENCY DISTR 70	18UTION. 90	PERCENT 95	98	99	MAX	ARITH MEAN
	83	. 2	0		0.0	0.5 0.9	1.5	2.0	2.7	3.6	4.5	23	1.5

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	- wc	NO	29025		BARTO	N/WEN	TWORT	H HAMI	LTON					MONT	н - ,	MAI	77						
HOUR DAY	7	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5	1 1 1 1 2	1 1 1 1	1 1 1	0 1 1	0	0 0 1 1 1	0 0 2 1 2	0 0 2 2 4	0 1 3 2 4	0 1 2 1 3	0 1 2 2 4	0 1 2 2	1 1 2 1	0 1 2 1	1 1 2 2 1	1 2 3 2	1 5 4	1 3 3	1 1 2 2 1	1 2 3	1 2 2 1	1 1 1 3	1 1 2 2	1 2 2 2	2 2 2
6 7 8 9	3 1 2 1 0	3 0 2	0 1 0 1	0 1 0 1	0 0 0 2	0 0 2	3 2 1 0 2	3 2 1 0 1	3 2 2 0 1	3 1 2 0 2	2 1 2 0 2	2 1 2 0 2	2 1 2 0	2 1 2 0 1	1 1 0 1	4 1 1 0	5 1 2 0 1	3 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	1 1 0	1 0 1
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0	***	1 0 0 0 0 0	1 0 0 0 0 0 0	1 0 0 0 0 0 0 0	0 1 **** 2 0 0 0 1 1	0 1 **** 2 0 0 1 2 1 1	0 1 2 0 0 1 2 2 2	0 1 **** 3 1 0 1 1 2	0 1 2 1 0 1 1 2	0 1 1 2 1 0 1 1 1	0 1 2 1 1 0 1 1	0 1 1 1 0 1 1 2	0 1 2 2 1 0 1 1 2	1 1 3 4 1 0 2 2 1	2 3 5 7 1 0 3 2 2 4	2 2 4 2 1 0 2 1 1 2	0 1 2 1 1 0 1 0 1	0 1 2 1 0 0 0 0 0	2 3 0 0 0 0 0 0 1	2 2 0 0 0 0 0 1	1 2 2 0 0 0 0 1 2	1 2 0 0 0 0 0	2 0 0 0 1 1 1
21 22 23 24 25 26 27 28 29 30	1 0 1 0 0 0 1 0 1	0 0 2 1 0 0 1	0 0 2 0 0 0 0 0 0 1	0 0 1 0 0 0 0 0 0 1	0 0 1 0 0 0 0 0	0 0 1 1 0 0 1	1 0 1 2 2 1 1 1 2 0	1 0 1 3 3 1 1 2 0	1 0 1 2 2 1 1 3 0	1 0 1 2 1 1 1 3 0	1 0 1 2 1 1 4 0 1	1 1 1 1 1 1 1 2 1	1 1 2 1 2 1 0 1 1	0 0 1 2 1 1 0 0 1 1	0 1 2 3 1 1 1 1	1 2 5 2 3 2 1 1	1 1 1 5 1 4 2 1	1 1 1 2 0 2 2 2 1 1	1 1 2 0 1 1 0 1 1	1 1 1 2 0 1 1 0	1 1 1 0 1 1 0 1 1	1 1 1 0 1 0 0 1 1	1 1 1 0 1 0 0 1 1 1	1 1 1 0 0 0 1 1 0	1 1 1
31 MEAN	0	0	0	0	0	0		1	1	1	1	1	1	1	1	2	3 2	2	2	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - PARTS/MILLION POLLUTANT - CARBON MONOXIDE STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON MONTH - FEB 77 10 11 12 13 14 15 16 17 18 20 21 22 23 24 MEAN DAY 0 7 8 9 10 11 12 13 14 15 16 17 0 - DATA INVALID 2 3 4 0 0 2 1 1 2 0 0 2 0 0 0 19 0 21 22 23 24 25 26 0 0 MEAN 1.0

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 7.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON MONTH - MAR 77 HOUR 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 5 6 8 1 2 3 4 5 6 7 8 9 0 0 0220001 1 00000001 00000001 0 001212 11 12 13 14 15 16 17 18 19 20 1 1 2 21 22 23 24 25 26 27 28 29 30 1 1 2 31 1 1 1 3 1 1

1 1

2 2

PERCENTAGE OF DATA VALID - 97.2

MEAN

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 2.6

1

1.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

2 2 2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUT	ANT	CAR	ON MO	NOXID	E						1	JNITS	- PAF	RTS/MI	LLION								
	S	TATIO	N - 1	C NO	2902	15	BARTO	N/WEN	TWORT	HAM H	LTON						rH - 4		77						
HOUR DAY	1	2	1	3 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
3	1 1 2	1 0 1 2			) 0 1 0	0 1	1 0 1	1 0 1	1 0 1	1 0	1 2 0	2 2 0 1	2 3 0	4 3 0	3 2 1	3 4 0	3 5 1	3 2	2 3 1	3 4 1	3 1 1	1 1 2	1 1 2 2	1	2 2 1
5 6 7 8 9	1 1 1 2	1 0 1 2	- 3	0 0	5 1 1 0 1	1 1 0 1	1 0 3 1 1	0 3 1 1	1 0 2 1 1	1 1 1 1	1	1 2 1 2	1 1 3 1 1 2	1 0 2 1 1	1 2 1 1 2	1 3 1 1	1 4 0 1 2	3 0 1 2	1 1 3 0 1	2 1 2 0 2 2	1 2 1 2 2	1 1 1 1 4	1 1 1 1	1 1 2 3	1 2 1 1 1
11 12 13 14 15 16 17 18 19 20	3 1 0 0 1 4 1 4 2	1 1 0 1 2 4 0 2 5	1	1	1 1 0 0	0 1 2 1	5 2 1 1 0 0 1 2	522200015	3 2 2 2 0 0 1 1	2 2 1 1 2 1 6 2	222122222	2 2 2 4 1 2 2 2 2	2 1 2 3 4 1 3 2 2	2 1 1 2 1 1 5	2 1 1 2 1 1 4 2 5	2 1 1 3 1 1 4 6 7	2 1 3 1 4 5	2 2 2 1 1 2 4 5	1 2 1 2 2 1 1 4 5	1 2 2 1 0 6 2	1 1 1 1 1 1 2 1	1 1 1 1 1 1 1 1 1	2 1 1 0 0 2 1 1 4	2 1 0 0 1 2 2 2 1	2 1 1 1 1 2 2 3
21 22 23 24 25 26 27 28 29	1 2 1 0 1 1 0 0 1 1 1 0 0 1 1	1 1 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11000	1 1 0	00000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 1 2 1 0 0 0 2 2	6	4 1 2 1 0 2 1 2 1 2	1 2 1 3 0 1	3 1 2 0 1 2 1 1 1 0 0 2	7 1 2 0 1 1 1 1 1 1 0 2	5 1 3 0 1 3 1 1 1 2	5 1 3 0 1 2 2 2 0 1 2	4 2 5 1 1 3 2 2 1 2 2	3 2 4 0 2 3 3 2 1 2 2	3 2 1 0 1 1 1 1 1 2 2	2 0 0 1 1 1 1 2	3 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 1 1 0 1 1 1 1 1 1 2 2 2	5 3 0 1 1 2 1 1 1	3 2 1 1 0 1 1 1 2 2	3 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3
MEAN	1	1	1	1	1	1	1	ij	1	2	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION .	WC	NO	29025	E	BARTON	/WENT	WORTH	HAM1	LTON					MONT	гн - ,	JUL	77						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 N	IEAN
1 2 3 4 5 6 7 8 9	0 1 2 1 1 2 1 2 2 1	0 1 1 1 2 2 2 1	0 0 1 1 1 1 2 2 1 1	0 1 1 1 2 2 2 1 2	0 0 1 1 1 1 2 2 2 1 2 2 1 2	0 0 1 1 1 3 2 2 1	0 0 1 2 2 3 2 4 2 1	0 1 2 1 2 2 3 1 1	0 1 1 2 1 6 2 3 2	0 1 3 1 1 2 2 2 2 1	0 1 3 2 2 4 2 2 1	0 1 4 2 2 3 3 2 1	1 1 3 2 2 2 2 4 2 1	1 1 2 2 2 2 2 3 2 1 2	1 1 3 3 3 3 3 2 1 2	1 1 2 3 1 3 2 2 1	1 1 1 2 4 2 2 2 1 2	1 1 2 4 2 3 2 1 2	2 1 2 2 3 2 2 1 1	1 1 2 2 3 2 2 3 1	1 2 2 1 3 2 1 2 1 2	1 2 2 1 3 2 2 2 1 1	1 2 1 1 3 2 2 2 1	1 1 1 3 2 2 2 1	1 1 2 2 2 2 2 2 2 1
11 12 13 14 15 16 17 18 19	1 2 1 1 1 2 1 1 1 2	2 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 1 1 1 1 1	2 2 2 2 1 2 2 1	1 3 2 2 3 1 1 2 2 2	1 3 2 2 2 1 1 2 2 2	2 3 2 1 2 2 1 2 2 2	2 3 2 1 3 2 1 2 2 1	2 3 2 2 3 1 1 2 2 1	3 3 2 3 3 2 1 2 2 1	5 3 2 3 1 1 2 2	6 3 2 4 3 1 1 2 2	4 3 2 3 1 1 3 2 1	3 3 2 5 3 1 1 3 3 1	2 2 1 3 2 2 1 2 3 1	3 2 1 2 2 1 1 2 2 1	1 2 3 1 1 2 2 1	3 2 1 2 2 1 1 2 3 1	3 2 2 2 1 2 2 2 2 3 1	3 2 2 1 1 1 2 3	1 2 2 2 1 1 1 2 3 1	2 2 2 2 2 1 1 2 2
21 22 23 24 25 26 27 28 29 30	1 0 0 1 0 0 0 1 2	1 0 0 0 0 0 0 0 1 2	0 0 0 0 0 1 2 1	0 0 0 0 0 1 2 1	0 0 0 0 0 1 1 1 1	0 0 0 0 0 1 2 1	1 0 0 1 0 1 2 3	1 0 0 0 1 0 2 1 2 1	1 0 0 0 0 0 0 2 2 2 1	1 0 0 0 0 0 2 2 2	1 1 0 0 0 1 2 2	1 0 0 0 0 1 3 2 1	1 0 1 0 0 0 1 3 2	0 0 1 0 0 0 1 3 2 1	1 0 1 1 0 0 2 3 1 2	1 0 1 1 0 0 2 3 1 2	0 0 1 1 0 0 2 3	0 0 1 1 0 0 2 3 1 1	0 0 0 1 0 0 2 2 1 2	0 0 1 1 0 0 2 1 2 2	1 0 1 1 0 0 2 1 2 1	0 0 1 1 0 0 2 2 2	1 0 1 1 0 0 2 4 2	0 0 1 0 0 0 2 4 1 1	1 0 1 0 0 0 1 2 2 1
31	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	Ī	ì	2	1	1.4

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*" INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 0	ARBO	N MONO	XIDE							ı	JNITS	- PA	RTS/M	ILLION	4							
	STA	TION -	WC	NO :	29025		BARTON	N/WENT	WORTH	H HAMI	LTON					MON	тн - Д	UG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	1EAN
1 2 3 4 5 6 7 8 9	0 1 1 0 2 1 0 0 0 1	0 1 1 0 1 0 0 0	0 1 1 0 1 0 0 0	0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0	1 1 1 1 1 0 1 1 1 2 0	0 2 1 1 1 0 1 2 2 1	0 2 2 1 1 0 1 1 1 2	1 1 1 1 1 2	1 2 1 1 1 2 1	1 2 1 1 1 0 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 0 2 1 2 1	1 2 2 1 1 0 1 4 1 1	1 2 2 2 1 0 1 3 2 1	1 2 3 2 2 0 1 4 3 2	1 2 2 1 1 2 2 2 1	1 2 1 1 1 0 2 1 3	1 2 1 2 1 0 1 1 1	1 2 2 2 1 0 0 1 1	1 2 2 2 1 0 1 1 2	2 2 2 1 0 1 0 1 1	2 3 1 1 1 0 1 1 1 1 1 1	1 1 1 1 0 0 0 2	1 2 1 1 1 0 1 1 1
11 12 13 14 15 16 17 18 19 20	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 2	0 0 0 0 0 0 1 1	0 0 0 0 0 0 1 0	0 0 0 0 0 1 0	1 0 0 0 1 0 0 0	2 1 1 0 3 0 1 1 3 1	1 1 0 2 2 1 1 4 1	1 1 0 2 3 0 1 5	1 1 0 1 1 0 0 3 1	1 1 0 0 1 0 0	1 1 0 0 2 0 1 2 1	1 0 1 1 0 1 1 1 1	1 1 1 0 1 0 0 1 2	2 1 0 0 1 1 1 2 1	3 2 1 0 0 2 1 1 2	1 1 0 0 0 0 1 2 1	1 0 0 0 0 0 1 2	1 1 0 1 2 0 1 1	1 1 0 1 0 0 1 1 1 1	1 1 0 2 2 0 2 1 2	1 1 1 0 1 0 0 2	1 1 0 0 0 3 0 2 1	1 1 0 1 0 4 0 2 1 2	1 1 0 1 1 0 1 2 1
21 22 23 24 25 26 27 28 29 30	2 1 1 0 1 3 3 2 1	3 1 1 1 1 4 4 2 1	2 0 1 1 1 4 3 1 1 1 1	3 0 0 1 1 3 3 1 1	2 0 1 1 0 2 2 2 1	1 0 1 0 1 2 2 1 2 1	1 1 1 1 4 2 1 3 1	1 1 2 1 3 2 1 2 1 4	2 1 1 2 - 2 2 2 2	2 1 1 1 1 2 2 2 2 2	2 1 1 1 1 1 1 2 2 2 2 -	2 1 1 1 4 2 2 2 2 -	2 1 1 1 3 2 2 2 1	1 1 1 2 4 2 2 2 2 2	1 1 1 2 4 2 2 3 2	1 2 3 2 2 3 4	1 2 2 1 3 3 2 2 2 3	2 1 1 3 2 2 2 2 2 2 2	2 1 1 2 4 2 2 2 1	2 1 1 1 2 3 2 3 2 2	2 2 1 1 3 2 2 3 1 2	1 2 1 1 2 2 2 3 1 1	2 1 1 1 2 2 2 1 2	1 1 1 2 2 5 2 2 1 2	2 1 1 1 2 3 2 2 2 2 2 2
31	2	1	0	1	1.	1	1	1	2	2	3	3	4	6	5	4	3	3	4	2	1	1	1	1	2
MEAN	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*" INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNIIS - PARTS/MILLION

	STA	TION	- WC	NO 2	9025	В	ARTON	/WENT	WORTH	HAM)	LTON					MONT	тн - г	VOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 4 4 8 1 1 2 2 3	138911123	2 1 11 8 1 1 1 1 2 2	1 1 5 7 1 1 1 1 2 2	0 1 3 5 1 1 1 2 2	0 0 2 2 1 1 1 2 2 3	0 2 1 1 1 1 2 2	0 0 2 2 1 1 1 2 2 6	1 2 7 5 1 1 1 1 2 4	1 11 8 6 1 1 1 2 2	2 4 5 1 1 1 1 3 2	1 3 6 1 1 1 1 3 2	2 4 1 1 2 1 2 2 2 2	2 2 5 1 1 1 2 4 2	2 2 6 1 1 1 1 7 2	2 2 6 1 1 1 1 6 2	2 2 5 1 1 2 3 5 3	3 2 3 1 1 1 2 4 3	4 2 7 1 1 2 1 1 3 2	7 3 4 1 1 1 1 2 2 2	4 2 1 1 1 1 2 3 2	2 4 1 1 1 1 2 3 1	3 5 5 1 1 1 1 3	3 4 8 2 1 1 2 1 2	2 3 5 3 1 1 2 3 3
11 12 13 14 15 16 17 18 19	1 1 2 2 1 1 1 5	1 1 1 1 1 3	1 1 1 1 1 1 0 1 4	1 1 1 1 1 1 0 1 4	1 1 1 1 1 1 0 1 0	1 1 1 1 1 1 1 0	1 1 2 2 2 2 1 1 1 1	1 1 5 4 3 3 1 1 1	2 1 1 5 2 3 2 1 1 1	2 1 1 2 2 1 1 1 1	1 1 3 2 2 3 1 2 1	2 1 1 2 2 2 1 1 1	2 1 3 2 1 2 1 2 1	2 1 1 3 2 2 1 1 1	2 1 1 3 2 2 1 1 1	2 1 1 4 3 3 2 2 2 1	2 1 1 4 3 4 3 3 2 2	2 1 1 4 3 2 3 3 2 1	1 1 3 2 2 1 2 2 2	2 1 3 2 1 1 1 4	2 1 1 3 1 2 1 1 1 2	2 1 1 2 1 1 1 1 1 8	1 1 2 2 2 1 1 1	1 1 2 2 1 2 1 1 4	2 1 1 2 2 2 1 1 2
21 22 23 24 25 26 27 28 29 30	1 1 1 2 2 1 2 1 3	0 0 1 1 2 1 1 1 3	0 0 1 1 0 2 1 2 2 3	0 0 1 1 1 2 1 2 1 4	0 0 1 1 0 2 1 1 1 2	0 0 1 1 1 2 2 1 1 1 1	1 0 1 1 1 1 1 1 1	1 1 3 1 0 1 1 1	2 2 1 0 1 1 1 1 2	1 2 1 0 1 1 1 1 2	1 1 1 0 1 1 2 3 6	1 1 2 1 0 1 1 2 3 3	1 1 2 1 1 1 1 2 3 2	1 1 2 2 3 1 1 2 3 1	1 1 2 2 2 1 1 2 3 1	1 4 1 **** 1 1 2 3 1	1 1 7 1 3 1 2 2 3 2	3 1 12 1 2 1 1 2 3 3	1 0 5 1 3 1 2 2 3 3	1 0 5 1 4 1 2 3 5 4	1 2 4 1 8 1 1 4 5 6	1 2 3 2 3 1 2 2 4 4	1 1 2 3 1 2 2 4 3	1 1 2 2 1 2 1 3 4	1 1 3 1 2 1 1 2 2 3
MEAN	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

7	
DAY  1	
2 1 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	MEAN
12	3 1 1 1 1 1 ******* 1 3 2 2
	2332321222
23	2 2 1 2 1 1 1 1 2 2 2 2
31 1 1 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1	1.7

PERCENTAGE OF DATA VALID - 97.7 PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. \*- \* INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS . PARTS/MILLION

	ST	ATION	. c	NO	31001	6	7 CC	LLEGE	ST F	IFTH	FLOOR	TO	OTIO			MON	тн - ,	IAN	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN	
1	1	1	1	1	1	1	1	1		9																
2		1	1	1	1	1	1		- 1	- 4		- 1		1	1	1	1	1	1.	1	1	1	1	1	1	
3		1	1	1	1	1	1	2	2	2	2	2		1	1	2	2	2	1	1	ĭ	1	1	1	,	
4	1	1	1	1	1	1	- 1	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	
5	2	2	2	1	,	- 6	- 4	2	2	2	2		2	1	1	2 2 2	2 2	2	2	2	2	2	2	2	2	
6	1	1	2	2	2	2	2	3	5				2	2	2	2	2	2	2	2	1	2	2	2	2	
7	1	1	- 7	- 7	•	-	2			5	2	2	1	1	1	2	2	2	2	1	•	7	7	2	2	
8	1	2	- 4		- 1	4		2		2	- 1	1	1	1	1	2	2	2	2	2	i	÷	- 1	7	- 2	
9	1	- 7	- 4		- 1	- 4	- 8		2	2	1	2	1	1	1	1	1	1	- 7	7	- 4	4		2	- !	
10	i					- 1	- 5	1	1	1	1	1	1	1	1	2	1	1	,		- 4	- 4			- 1	
1000			- 1	3.	3	1	- 1	1	1	1	1	1	1	1	1	1	1	i	í	1	- 1	- 1	- 1	1	- !	
1.1	12	1	3						_	140													7.	0.		
12	2	1	•	- 1	4	- 1	- 1	1	2	1		1	1	1	1	1	1	1	1	1	1		1			
13	1	1		- 1		- 1	- 5	1	1	1	1	1	1	1	1	1	2	2	1	•					- 1	
14	2	2		5	2	1	1	2		• • • •	2	2	2	2	2	3	3	3	2	2	2	- 1			1	
15	2	2	-	2	2	2	2	3	3	3	3	4	4	3	2 3 2	3	4	5	4	4	-	3	3	3	2 3 2	
15 16	î	-	-	2	1	1	- 1	2	2	2	2	2	2	2	2	2	2	2	2	2	-	3	2		3	
17		- 1	- 1	- 3	1	1	1	1	1	1	1	1	1	1	2	1	•	7	7	-	2	-	2	2	2	
18			!	3	1	1	1	1	1	1	1 *		2	2	2	2	٠	2	4	1		2	1	1	1	
19			1	1	- 1	1	1	2	3	2	2	2	1	2	2	2	2	2	2	1	1	2	2	1	1	
20	2	1	3	1	1	7	1	2	2	2	2	2	1	1		2	2	2		2	1	2	1	1	2	
20	2	1	3	-1	1	1	1	• • • •	2	2	2	2	1	1	2	2	2	2	2 2 2	2	2	2	2	2	2 2	
21 22 23 24 25	2	2	2	2	2	1	1	2		•	•	_						-		•	2	-	4	2	2	
22	1	1	1	1	î	,	- 43		2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	
23	2	2	2	2	2	÷		- 1	!	1	1	1	1	1	1	1	2	2	2	2	2	2	- 4	2	- 1	
24	1	1	- 1	-	1			- 1	1	2	2	2	1	1	2	2	2	1	1	1	1	ī	-	1	- 1	
25	2	î	- 1	1		9	2	2	2 2 2 2 2	2	2	2	2	2	2	2	2	3	2	2	ż	2	ż	2	1	
26 27	1	1	4	1				2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	
27	î	1	i i	1	20				2	2	2	2	2	2	2	2	2	2	2	2		-	1	1	2	
28	2	2	2		2	2	- 1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
29	2	2	2	2	2		- 1	2	2	2	2 •		1	2	2	2	2	2	2	2	2	2	2	2	2	
29 30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			2	2	
		4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2 2 2 2 2 2 2	2	2	2	2	2	2	
31	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	
MEAN	1	1	1	1	1	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	. c	ARBON	MONO	KIDE							,	UNITS	- PA	RTS/M	LLION	N							
	STA	TION -	C	NO 3	1001		37 COL	LEGE	ST F	IFTH	FLOOR	TOR	ONTO			MON	гн - н	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	IEAN
1 2 3 4 5 6 7 8	1 1 1 1 1 1 2 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 2 1	1 2 2 2 1 1 1 3 1	2 2 2 1 1 2 3 1	1 2 2 2 1 1 2 3	1 2 2 2 1 1 1 2 2	2 2 1 1 1 2 2	2 2 1 1 1 2 2	1 2 2 1 1 1 2 2	1 2 1 1 1 1 2	2 2 2 2 1 2 2 2	2 2 2 1 1 2 2 2	2 2 2 1 1 2 2 3	2 1 2 1 3 2 3	2 2 2 1 1 2 2 2	2 2 2 1 1 2 1 2	2 2 2 1 1 2 1 2	1 1 2 1 2 1 2	2 1 1 2 1 2 1 2	1 2 2 2 1 1 2 2 2 2
10 11 12	2 2 2	2 2 2	1 2 1	1	1 1	1	1 1	2 2 2	2 2	2 2	2 2 2	2	1 2	1 2	1	2	2	2	3 2 2	2	2	2	2	2	2
13 14 15 16	1	1	1 1 1	1 1 1	1 1 1	1 1 1	1	1	1 1 1	1 1 2	1	1 1 1	1 1 1	1 1 1	1 1	1 1 1	1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1	1 1	1 1 1	1 1
18 19 20		1 1	1 1	1 1	1 1 1	1 1	1 1 1	2 1	2 2 1	2 1 1	2 1 1	1 2 1	1 2 1	1 2 1	1 1	2 1 1	2 1 1	2 2 1	2 1 1	2 2 1 1	2 1 1	1 1	1 2 1 1	2 2 2 1	1 2 1
21 22 23 24 25 26 27 28	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 2 1 1 1	2 2 1 2 2 1 1 2	2 1 2 1 1 2	2 2 1 2 2 1 1 2	1 2 1 2 1 2 2	1 2 1 2 1 1 3 1	2 1 2 1 1 3 1	2 2 1 3 1 1 1 1	2 1 3 1 1 1 1	2 3 2 3 1	2 3 2 3 2	2 2 1 3 1 2 1 2	2 3 2 2 1 2 1	2 1 2 1 2 1	1 2 1 1 2 1 1	1 2 2 1 1 2	1 2 1 1 1 2	2 2 1 2 1 1
MEAN	1	1	1	1	1	1	•	2	2	2	2	2	1	1	1	2	2	2	2	2	2	1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/MILLION

POLLUTANT - CARBON MONOXIDE

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - MAY 77 HOUR 4 5 6 7 8 9 10 11 13 14 15 16 17 18 19 12 20 21 22 23 24 MEAN 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 3 2 2 2 1 3 32222321 32231 31 2 2 2 2 2 2 2 2 1.7

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - JUN 77 HOUR 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 2 2 3 2 1 9 11 12 13 14 15 16 17 18 19 2 1 2 2 1 21 22 23 24 25 26 27 28 29 30 2 2 2 2 MEAN 2 2

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/MILLION

POLLUTANT - CARBON MONOXIDE

	STA	TION	- с	NO 3	31001	6	7 COL	LEGE	ST F	IFTH	FLOOR	TOR	ONTO			MONT	H - 9	EP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	1	1	1	1	0	0		2	1	1	2	1	2	4	2	2	3	1	2	1	1	1	1	1	1
2	1	0	0	0	0	0	1	2	2	3	• • • •	3	1	1	2	1	1	1	2	3	4	4	2	3	2
3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
4	1	1	1	. 1	0	0	1	O	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1	0	0
6	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1		1	1	1	1	1	1	1	- 1	1.
7		0	0	0	0	1	1	2	0		1	0	1	0	0	1	1	0	1	1	1	3	1	1	1
8	1	0	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1.	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	0	1	1	1.
10	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t	1
1.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
12	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
13	1	0	0	0	0	0	0	1	1		1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
14	0	0	0	0	0	0	1	1	1	2	1	1	-1	1	1	2	2	2	2	2	2	2	2	2	1
15	2	1	1	1	1	1	2	3	3	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1
16	1	1	1	1	1	1	1	2	2	3	2	2	3	3	3	4	5	5	8	7	3	1	2	2	3
17	3	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1
18	3	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	4	4	3	3	2	2
19	2	1	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	1	1	1	1	1	0	0	1
20	0	0	0	0	0	3	2	2	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	2	2	2	2	2		• • • •	2	2	2	2	2	2	2	2	2	2	2	2
22	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
23	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3		2	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1
25	1	1	1	1	1	3	2	1	2	2	1	1	2	2	2	2	2	2	2	3	3	2	2	2	2
26	1	1	1	5	1	5	2	2	2	2	2	2	1	1	1	1	1		2	2	2	1	1	1	1
27	1	1	1	1	1	1	2	2	2	3	1	1	1	1	1	1	3.	1	1	1	1	1	1	1	1
28	1	1	1	1	1	.1	2	2	1	1	1	1	3	1	1	1	1	1	1	1	1	1	2	1	1
29	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	2	2	2	2	2	2	1	1	1	2
30	1	1	1	7	3	1	2	3	3	3	2	2	2	2	2	3	3	3	3	3	2	2	2	1	2
MEAN	1	1	1	1	1	i	1	2	1	1	1	1	1	1	1	2	2	1	2	2	2	2	1	1	1.3

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*-\* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- C	ARBON	MONOX	IDE							ι	INITS	- PAF	RTS/MI	LLION	E							
	STA	TION -	C	NO 3	1001	61	со	LLEGE	ST	FIFTH	FLOOR	TOR	OTIO			MONT	тн - с	CT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	MEAN
1	1	1	0	0	0	0	0	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	0	0	0	0	2	0	1	1	4	1	1	1	1	1	1	1	2	2	2	1	1	1	1
3	1		1	1	1	1	2	2	2		1	1	1	1	1	1	1	1	1	- 1	1	,	1	1	1
4	1	1	1	1	1	1	2	2	2		1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
5	2	1	1	1	1	1	3	4	3		2	2	2	2	2	1	2	2	2	1	1	1	1	1	2
6	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
7	1	1	- 1	1	.1	1	2	2	2	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1.	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	21	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	2	2	2	1
1.1	1:	1	1	1	11	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
12	1	1	1	1	1		2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1		•	•
13	1	1	1	1	1	1	2		••••	3	2	1	1	1	1	1	2	2	1	2	2	2	2	1	1
14	1	1	1	1	2	2	3	4	5	3	2	1	2	2	2	2	2	2	2	2	2	2	3	3	2
15	2	2	2	1	1	2	2	2	2	2	3	2	3	1	1	3	3	3	5	4	2	1	2	1	2
16	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	1	1	1	1	1	1	2		1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
18	2	1	2	2	2	2	4	2	1	2	2	1	1	1	2	2	2	2	2	3	3	3	4	5	2
19	3	4	2	2	1	2	3	5	6	4	3	3	2	3	3	3	3	2	2	2	1	1	1	1	3
20	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	3	2	2	2	2	2	1	1	3
21	1	,	1	î	1	2	3	3		3	3	3	2	2	2	3	2	2	2	2	2	2	2	2	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	1
23	2	1	1	î	1	1	1	1	1	1	1	1	- 1	1	1	1	1	1	2	2	3	2	2	1	1
24	1	1	1	1	1	1	3	5	5	4	2	2	2	2	2	4	5	4	3	2	3	3	5	6	3
25	4	3	2	2	2	2	4	4	6	8	6	3	3	4	3	3	4	3	3	4	4	4	3	3	4
26	3	3	2	2	2	2	5	9	5	3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3
27	1	1	1	1	1	1	4	5	3	2	5	3	2	2		2	3	3	2	3	5	1		1	2
28	0	0	0	0	0	0	11	2	2	1	1	1	- 10	2	2	2	2	2	2	2	2	1	1	1.	1
29	1	1	1	1	1	1	1	1	1	2	1	0	1	1	1	1	1	1	2	2	3	4	4	3	2
30	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	1
31	1	31	1	1	1	1	1	*	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1
MEAN	4	1	1	1	1	1	2	2	2	2	2	1	- 1	4	2	2	2	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2 HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

#### UNITS - PARTS/MILLION

			- ANIS/MILLION	
STATION - C	NO 31001 67 COLLEGE	ST FIFTH FLOOR TORONTO		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.6	3	5
FEB	28	1.4	2	3
MAR	31	1.6	3	7
APR	30	1.8	3	6
MAY	31	1.7	3	0
JUN	30	1.7	3	8
JUL	31	1 . 4	2	5
ΔUG	31	1.3	2	5
SEP	30	1.3	3	8
OCT	31	1.6	4	9
NOV	30	1.7	3	5
DEC	31	1.9	3	8
YEAR	365	1.6	4	9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH 00 TO 01 02 TO 03 04 TO 08 09 TO 13 14 TO 30 31 AOVER TOTAL JAN FEB APR MAY JUN JUL AUG SEP OCT NOV DEC YEAR 

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	PERCENT OF DATA						TRATIONS					
	VALID	MIN	10	30	FREQUENCY 50	70	90	95	98	99	MAX	ARITH MEAN
	99.3	0	0.2	0.6	1.0	1.5	2.0	2.6	3.2	3.0	•	

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION -	C	NO 3	1090	67	cor	LEGE	ST 2	ND FL	TORON	OTA				MONT	тн - с	JAN	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	ΔΝ
1 2 3 4 5 6 7 8 9	3 3 3 3 2 2 1 2 1	2 2 2 1 1 1 1 1 1 1 1 1	2 1 2 2 2 1 1 1 0 0	2 1 2 2 1 1 0 0 0	1 2 2 2 1 1 0 0	2 2 2 3 2 2 1 1	2 2 3 3 2 2 2 2 2 2	3 2 4 3 5 2 2 2 2	2 4 5 4 6 3 2 2	2 3 4 4 7 2 2 2 2	2 2 3 3 4 1 3 2 2	2 2 4 3 2 2 2 2 2 1	2 2 3 3 2 2 1 3 2 4	2 3 4 3 2 2 1 3 2 2	3 3 4 3 2 2 1 2 3 3	3 4 5 3 2 2 2 2 9 4	3 3 5 4 3 2 2 2 2 2	3 3 3 3 2 2 2 3 2	3 3 4 3 2 2 2 2 2 2	3333212332	3 3 3 3 2 1 1 2 3 2	3 3 4 2 2 1 2 3 1	3 3 4 3 2 1 2	3 3 4 3 2 2 2 4	2 2 2 2 2 2 2
11 12 13 14 15 16 17 18 19 20	1 2 1 3 2 2 1 2	0 2 0 2 2 1 1 1 0 0	0 0 1 1 1 1 0 0 0	0 0 0 1 1 1 1 0 0 0 0	0 1 1 1 1 0 0 0 0	1 1 1 2 1 1 1 1 1 1	1 1 2 1 1 2 1 1	2 2 2 3 2 2 2 4 2 2	2 2 **** 4 2 1 2 4 3 2	2 2 4 2 1 2 3 2 2	2 2 **** 4 2 2 2 2 2 2 2 2	1 2 2 5 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	2 2 2 4 2 2 2 2 1	2 1 3 4 3 2 2 3 2 2	2 2 3 4 3 2 3 3 4 4 4 2	2 3 3 6 2 2 3 3 2 2	2 2 3 8 2 2 2 2 3 2	2 2 2 2 2 2 2 2 2 2	2 2 2 5 2 2 2 2 2 2 2	1 1 2 4 2 2 1 2 2 1 2 2	1 2 4 2 1 2 1 2	1 2 2 3 2 1 2 1 2 2	2 1 2 4 2 1 2 1 2 2 2	1 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2
21 22 23 24 25 26 27 28 29 30	2 2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 0 1 1 1 1 1	0 0 0 1 1 1 1	0 * 0 1 0 0 0 1 1 1	* * * * * * * * * * * * * * * * * * *	1 1 1 1 1 1 2 2 1	2 1 4 2 3 2 3 4 1 1	2 1 2 3 4 3 3 4 2 1	3 1 2 2 4 3 2 3 2 1	3 2 2 3 3 2 3 2 1	3 2 2 3 3 3 2 3 2 1	2222332221	2 2 2 3 3 2 2 2 1	2 2 2 2 3 2 3 3 2	3243232332	3 2 2 3 3 3 3 3 2 2	3 2 2 3 3 3 3 3 3 2 2	3 2 2 2 2 3 3 3 3 2	3 2 1 2 2 3 2 2 1	2 1 3 2 2 3 1 2	2 2 3 2 2 3 1 2 1	1 2 2 3 2 2 3 1 2	2 2 2 3 2 2 3 1 2 1	2 2 2 2 2 2 2 2 1
31	1	1	O	0	0	0	.1	2	2	2	2	2	2	3	3	4	3	3	3	3	2	2	2	2	2
MEAN	2	1	1	5	-1	1	2	2	3	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 0	ARBON	MONO	XIDE							U	NILZ	- PAF	RTS/MI	LLION	t				1	5		
	STA	TION -	C	NO 3	1090	6	7 COL	LEGE	ST 2N	D FL	TORON	OTO				MONT	н - ғ	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	EAN
1 2 3 4 5 6 7 8 9	1 2 1 1 2 1 2 2 2 2	1 1 0 1 1 2 1 2 2 2 2	000012122	0 0 0 1 1 1 2 2 2	0 0 1 1 1 1 2 2 2 2	1 0 1 0 0 1 2 2	1 1 2 1 0 1 3 2	1 2 2 2 1 0 1 3 2 3	1 3 2 2 1 0 2 4	1 3 2 3 1 1 2 4 2	1 4 2 3 1 0 2 3 2 4	1 2 2 2 1 1 2 2 3 3	2 3 2 2 1 1 3 3 4	2 2 1 2 1 2 3 3 4	2 2 1 2 2 1 2 3 4 4	3 3 1 3 2 2 2 3 4 5	3 1 3 1 2 3 4 5 4	3 1 3 1 4 4 6 4	3 1 3 1 4 3 5 4	3 4 1 2 1 1 2 3 4 3	3 1 1 2 1 1 2 2 3 3	2 1 1 2 1 1 2 2 2 3	2 2 1 1 2 2 3 3	2 1 1 2 2 0 2 2 2 2 3	2 1 2 1 1 2 3 3 3 3
11 12 13 14 15 16 17 18 19	3 2 2 0 2 1 1 1 1 1 1 1	3 2 2 0 0 1 0 1 1 1	2 2 1 0 0 0 1 0 0 1	1 0 1 0 0 0	1 1 1 0 1 0 0 0 0	1 1 1 0 1 1 0 1 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 2 1 1 2 3 3 1 1 1	4 2 1 2 3 3 1 1	4 2 1 1 2 2 2 2 1 1	3 2 1 1 2 2 2 1 1 2	3 1 1 2 1 2 1 1	2 1 1 2 1 1 1 1	2 2 1 1 2 2 1 1 1 1	2 3 1 2 2 1 1 1	2642222222	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 2 1 2 2 2 2 2 2 2 1	3 1 2 2 2 2 2 2 2	2 3 1 2 2 2 1 2 1	2 3 1 2 1 2 2 1 2 1	2 3 1 2 1 1 2 2 1	2 1 2 1 1 2 1 1	3 2 1 2 1 2 2 2 2 1	2 2 1 1 1 2 2 1 1
21 22 23 24 25 26 27 28	1 1 2 1 2 1 1	1 1 2 1 1 1 0	0 0 1 1 1 1 0 0	0 0 1 1 1 1 0 1	0 0 1 1 0 0 1	O 1 1 1 1 0	1 1 2 2 1 1 1	1 2 2 2 2 1 1 2	2 2 3 3 3 1 1 2	1 3 2 3 2 1 1	1 3 2 3 2 1 2 3	1 2 2 3 2 1 2	1 2 2 3 1 1 4	2 2 2 3 1 1 3 1	1 2 2 6 2 1 2	2 3 7 2 2 2	2 5 3 4 2 2 2	2 4 2 4 2 2 1 2	2 3 2 3 1 2 1 2	2 3 2 3 1 3 1 2	1 3 2 4 1 2 1 2	2 2 2 2 1 1 1	1 2 2 2 1 2 1	1 3 2 2 1 2 1 1	2 2 3 1
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO MONTH - MAR 77 HOUR 5 6 7 8 9 10 11 12 13 14 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 10 0 11 12 13 14 15 16 17 18 19 3 2 2 1 2 3 2 1 21 22 23 24 25 26 27 28 29 30 0 222122232 232222211 3 2

1

PERCENTAGE OF DATA VALID - 99.7

1

2 1

31

MEAN

PERCENTAGE OF DATA INVALID . 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

2 2 2

1 1

1

2 2

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. . " INDICATES DATA IS UNAVAILABLE

1 1

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

2 2 2 2 2 2 2

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 0	ARBO	N MONO	XIDE								UNITS	- PA	RT5/N	MILLI	ON							
	STA	TION -	C	NO	31090	67	COLL	EGE	ST 21	ID FL	TORC	NTO					TH .		77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		19	20	21	22	23	24	MEAN
1 2 3 4 5 6 6 7 8 9 10 11 2 3 14 14 15 16 16 17 18 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2222111123 386122863	1 1 1 1 1 0 0 1 0 1 0 1 2 2 2 5 0 1 1 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5	3 1 1 1 0 0 1 0 1 2 2 1 2 1 0 1 2 4 2	3 1 1 0 0 0 0 1 1 2 2 1 2 0 0 0 1 1 2 1	4 1 1 1 1 1 1 1 1 1 1 1	3 1 1 1 1 0 0 1 0 1 2 2 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 2 2 2 3 1 1 1 1 2 2 3	2112113122 421232235	2 1 1 2 2 6 3 1 2 2 2 1 1 5 4	2 2 1 2 1 1 1 1 2 2 2 5 3 1 2 2 2 2 1 8 3	2211211122 4441121131	- DA - DA - DA - DA - DA - DA - DA	DATA UNA TA UNA TA UNA TA UNA TA UNA TA UNA TA UNA	2 3 3 1 1 2 2 1 1 1 2 2 2 2 3 3 3 3 1 1 1 1	D - BLE -		44 22 23 32 22 22 2 27 7 1 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 3 2 2 2 2 2 2 2 2 2 2 3 3 2 4 4 2 2 2 2	255222222222222222222222222222222222222	2 5 5 2 1 1 1 2 2 2 2 2 1 2 2 2 3 3 3 3	2 6 6 2 1 1 1 2 2 2 2 2 2 4 1 1 2 2 2 3 4 4	266211111222333333	2 1 1 2 2 2 2 7 7 1 2 2 2 2 1 4 3 3	2 2 2 2 1 1 1 1 2 3 2 2 6 6 1 1 7 3 3	2312112122 332221232
MEAN	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	,	2	2	,	2	

PERCENTAGE OF DATA VALID - 62.1

PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 31.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO MONTH - AUG 77 HOUR 9 10 11 12 13 14 15 16 17 B 18 19 20 21 22 23 24 MEAN 3 4 5 6 7 8 9 3 5 5 6 1 2 3 1 12 13 14 15 16 17 18 19 20 3 4 3 22 23 24 25 26 27 29 

PERCENTAGE OF DATA VALID - 99.2

MEAN

3 2 2 2 2 2 3 4 3 3 4 4 4

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

3.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO MONTH - SEP 77 HOUR 9 10 11 12 17 18 24 MEAN 2 2 2 2 3 12 13 14 15 16 17 18 19 20 3 5 2 3 10 2 4 22 23 24 25 26 27 28 3 \*\* 8 DATA MEAN 3.1

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 3.3

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LES THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 31090 67 COLLEGE ST 2ND FL TORONTO MONTH - DEC 77 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR DAY 4432322422 3332322522 342333622 9 1 2 1 2 2 11 12 13 14 15 16 17 18 19 20 232222222 24342322 3 2 3585674276 3 3 3 4 2335634245 5 4 5 5 5 5 4 ... 3 3 2 2 4 4 3 3 2 3 2 2 2 2 10 3 7 3 2 3 4 21 22 23 24 25 26 27 28 29 30 2 2 2 3 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 1 2 2 2 1 3 2 2 1 4 3 2 1 3 3 2 1 3 3 1 3 3 3 3 2 3344222 4 4 3 4 2 2 2 4 44342234 55332224 31 4 3 3 2 2 2 2 2 2 3 4 3 3 3 3 3 3 3 3 3 3 MEAN 3 2 2 2 2 2

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

3 3 3

4

3 4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

3 3 3 3.0

4

4 3 3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

2 3

3 3

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

			- 2	8421																					
	3 I A	TION	- с	NO	31105	,	IYDRO	SS	SHERBO	URNE/W	ILTON	ST.T	ORON	TO		MON	TH -	AUG	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												- DATA	4 UNI 4 UNI 4 UNI 4 UNI 4 UNI 4 UNI	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE - BLE - BLE - BLE - BLE - BLE - BLE -										
11 12 13 14 15 16 17 18 19	2 2 3 2 1 1	2 2 3 2 1 1 1	2 2 3 1 1 1 1 0	2 2 3 1 1 1 0	2 2 3 1 1 1 1 0	2 2 3 1 1 4 0	2 2 5 4 2 7 0	2 2 5 3 2 5 1	2 2 5 2 1 1 3 1	2 2 5 2 1	2 2 4 2 1 ***	2 2 3	2 3 2 1 1	2 3 2 1	BLE - 5 2 3 2 1 1	4 2 3 2 2 1 1	3 2 3 1 1 1 0 0	2 1 3 1 1 0 1 0	2 2 3 2 1 1 0 0 1	2 2 3 2 1 1 0 0 1	3 2 4 2 2 1 0 0 0	3 2 4 2 2 1 1 0	2 2 4 2 3 1 1 0 1	2 2 3 2 1 1 1 0 1	2 3 3 2 1 1 1
21 22 23 24 25 26 27 28 29 30	1 0 0 1 1 2 4 1 1 1 1	1 0 0 1 1 2 2 1 1 0	1 0 0 1 1 1 2 1 1 1 0	1 0 0 1 1 3 2 1 1 0 1	1 0 1 1 1 3 1 0	1 1 1 3 1 1 2 2	1 1 2 4 7 2 1 2 1	1 1 2 2 4 5 2 1 2 1	1 1 3 3 3 3 2 1 2 1	1 1 1 2 3 2 2 1 2 2	1 1 2 3 2 2 2 1 1	1 1 2 2 3 2 1 1 2 1	1 1 2 2 2 2 1 1 2 1	0 1 2 2 2 2 1 1 1 2 1	0 1 2 2 2 2 1 1 3 1	0 1 2 2 2 2 1 1 4 1	0 1 2 2 1 1 1 1 1 3 1	1 1 2 2 1 1 1 2 1	1 1 2 2 2 1 2 1 2 1	1 1 2 2 2 1 1 1 1	0 1 1 2 2 1 1 1 1 1	0 1 1 1 1 1 2 1 1 1 1	0 1 2 2 1 2 1 1 1 1	0 0 1 2 2 2 2 1 1 1	1 1 2 2 2 2 2 1 2
31 MEAN	1	1	0	1	1	1	3	2	2	1	2	1	1	2	2	2	1	1	1	1	1	1	2 2	2	1 1.5

PERCENTAGE OF DATA VALID - 61.8 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 37.4

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO MONTH - SEP 77 HOUR 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 MEAN 2 1.4

PERCENTAGE OF DATA VALID - 94.3

PERCENTAGE OF DATA INVALID - 5.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- .. INDICATES DATA IS UNAVAILABLE 2.
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO MONTH - DEC 77 HOUR DAY 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 0 3 2 1 1 2 012201211 012101211 3 2 2 3 4 3 12 3 2 2 3 3 3 10 2 2 1 1 2 3 3 1 5 1 3 3 10 2 3 1 1 2 1 2 3 11 2 2 2 1 10 2 4 1 1 2 2 4 2316231122 2425341123 3 1 2 2 1 1 1 1 2 511221111 241121 21 22 23 24 25 26 27 28 29 30 2 3 2 3 1 2 3 2 2 1 2 3 2 3 1 3 3 2 2 1 3 2 3 2 1 - DATA UNAVAILABLE 31 2 2 1 1 1 1 1 1 1 1 1 1 1 1

2 2

PERCENTAGE OF DATA VALID - 90.9

MEAN

2

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 7.5

2

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH MONTH - JAN 77 HOUR 4 5 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 6 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 3 3 2 1 3 2 31 2 2 MEAN 3 2 2 2 2 2 2 2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

1.7

2 2 2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN1		ARBO	N MONO	XIDE							1	UNITS	- PA	RTS/M	11110	N							
	STA	TION .	С	NO	33002		PHARMA	Y AND	401	, SCA	RBOROU	GH				MON	TH -	FEB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1 2 3 4 5 6 7 8	1 1 1 1 1 1 1 2 1 1	1 1 1 2 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 0 1 1 1	1 1 0 1 0 0 1 1	1 1 1 1 0 1 1 1 1	2 3 1 1 1 0 1 2 1	4 3 2 4 1 1 3 4	4 3 2 4 2 1 2 4 1	2 1 2 2 1 1 3 1	2 1 2 1 1 2 1 1 2 1	2 1 1 2 2 1 2 2 1	1 2 2 1 2 1 1	1 2 2 1 2	2 1 3 2 1 2	3 1 1 2 2 1	5 1 2 3 2 1 5	5 1 3 2 2 1 4 1 2	3 1 2 3 1 1 4 1 3	4 1 2 3 1 1 3 1 2	2 1 2 1 2 1 2	2 1 1 2 1 1 3 1 2	1 1 1 1 2 1 2	1 1 2 1 2 1 2 1 2	2 1 1 2 1 1 2 2 1
10 11 12 13 14 15 16 17 18 19 20	2 2 1 0 1 1 1 1 2 2	1 2 2 1 0 1 1 1 1 2 2	2 2 1 0 0 1 1 1 2 1	1 1 0 0 1 1 1 2 1	1 1 1 0 1 1 1 1 1 2 1	2 1 1 0 0 1 1 1 1 2 1	4 1 1 0 1 2 2 2 2 2 1	6 1 1 3 5 4 2 2 1	5 2 2 1 1 3 4 5 2 2 1	2 1 2 1 1 2 3 3 1 2 2	2 1 2 1 2 2 1 2 1	1 2 1 1 2 2 1 1 2 1	1 2 1 1 2 2 1 1 2 2 2	2 2 1 2 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2	2 1 1 2 2 1 1 2 2 2	1 2 3 3 1 1 2 2	3 1 1 3 4 4 1 2 2 2	2 1 1 3 2 3 1 2 2 2	3 2 1 1 2 2 1 1 2 1	2 1 0 2 2 2 1 2 1	1 3 1 0 1 1 2 1 2	1 2 1 0 1 2 2 1 1 2 1	2 0 0 1 2 2 1 1 2 1	1 2 1 0 1 1 1 1 1 1 2 1	2 1 1 2 2 1 2 1
21 22 23 24 25 26 27 28	1 1 2 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 0 0 1	1 1 0 1 1	1 1 1 0 0 1 1	1 1 1 0 0 1 1	2 1 1 1 1 1 1 0 1 1	4 2 2 1 2 1 0 3	3 2 2 1 1 1 1 4	2 2 1 1 1 1 1 1 3 2	2 1 1 1 1 1 1 1 1 3 3 1	2 1 1 1 1 1 1 3 1 • • • • 1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 3 1 1 1 1 2 2 2 2	2 2 0 1 1 1 1 1 1 1 1	1 3 1 2 1 2 1 2 2	2 4 1 2 1 2 1 2 2	2 4 1 2 1 2 1 1 2	1 3 1 2 1 2 1 1 1 2	1 3 2 1 1 1 1	1 2 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 1

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*-\* INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	S	TATIO	N -	C NO	3300	2	PHARM	ACY A	ND 40	11 , SC	ARBOR	ROUGH				MONT	тн - н	AA Y	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	í.	1	1			1
2	1	1		1	1	2	3	4	4	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2		2
3	1	1		1	1	2	5	3	2	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3		2
4	2	2		1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2		2
5	2	2	2				2	2	2	2	2	2	2	2	2	2	2	2	2			••••				2
6	****			••••		0000	****	••••	707070	••••	••••	••••	2	2	2	3	3	2	2	2	2	1	1	1	****	•
7	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2
8	3	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	9	1
10	- 1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	1	1		2
10	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2		2
1.1	1	1	1	1	1	2	5	4	3	2	2	1	1	1	1	3	3	2	1	2	2	3	2	1	3	2
12	1	1	1	1	1		4	3	2	2	2	2	2	2	1	3	2	2	2	1	1	1	1	1		2
13	- 1	1	1	1	1	2	3	3	2	2	2	2	2	2	3	4	3	3	3	2	2	2	2	1		2
13 14 15 16 17 18	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	1	1	2	1		1
15	1	1	1	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	6	5		2
16	4	2	1	1	2	4	4	6	5	4	3	2	1	- 1	1	1	1	1	1	1	2	2	2	1		2
17	1	1	1	- 1	. 1	1	3	2	1	1	1	1	1	1	1	3	2	1	1	1	2	2	1	1	1	1
18	1	0	0					1	1	1		1	2	2	3	5	4	3	2	2	2	2	1	1		2
19	1	1	1		1	3	4	4	3	3	2	2	2	2	2	2	2	2	2	3	3	4	4	3		2
20	4	3	2		2	2	4	7	3	3	2	2	1	1	1	2	1	2	2	2	1	1	2	2		2
21	2	2	2		2			2	2	2	2	1	1		1	1	1	- 1	2	2	2	3	3			2
22	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1		,	1	1	2	3	3		2
23	2	1	1	1	1	1	2	2	1	1	1	1	2	2	1	1	1		2	3	3	5	3			2
24	2		1	1	2	2	3	3	2	2	2	2	1	2	3	7	- 6		3	3	3	2	2	2	,	2
25	3	2	1		- 1	4		3	2	2	••••	2	2	2	3	4	3	2	2	2	2	2	2	1		2
26	1	1	1	1	2			3	1	2	2	2	1	1	2	2	4	2	2	2	2	2	1	1		2
2/		1	- 2		1	4	6	4	2	2	2	2	2	3	4	5	5	3	3	4	4	3	3	2		3
28	2	- 1	- 2	1	1	2	2	2	2	2	2	2	2	2	2		1	- 1	- 1	1	1	1	1	1		1
23 24 25 26 27 28 29 30	1	1	1	1	1	3	1	1	1	1	- :	. 1	1	1	1	1	- 1	- 3	- 1	2	3	3	2			1
30	1	1	1	,	1	3	4	3	2	1	,	,	Ţ	1		1	1.	,	1	1	1	2	2	2		ī
31	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1		1
MEAN	2	1	1		1	2	3	3	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1.	8

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	T - 0	CARBO	N MONO	XIDE								UNITS	- PAI	RTS/M	ILLIO	N							
	STA	TION	c	NO	33002	- 3	PHARMAC	Y AN	401	. sc	ARBOR	OUGH				MON	тн - ,	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN .
1 2 3 4 5	1 1 3 4 2	0 1 2 3	0 1 2 2 1	0 0 2 2 1	0 0 2 1 1	1 5 2 1	2 1 6 2 1	2 1 5 1 1 6	1 2 1 1 3	1 2 2 1 1	1 2 2 1 1	2 1 2 2	1 2 2 2 2 2 2 2	3 1 2 2	1 2 3 2 2	1 3 4 3 2	1 3 4 2 2	3 2 2 2	1 2 2 2 2 2	2 2 2 2	1 3 2 2 2	1 3 2 2	1 3 3 1	1 2 3 2	1 2 3 2
7 B 9 10	0	0	1 0 1	1 0 1	1 2 1 1	2 4 3 3	3 5 3 4	3 4 3 3	2 1 2	2 1 2	3 2 2	<sup>2</sup>	1	1 3 2	1 4 1	3 1 5	2 4 1	1 3 2	1 3 2	2 1 3 3	1 2 2	2 2 2	1 2 2	1 2 2	2 2 2 2
11 12 13 14 15 16 17 18 19 20	1 1 1 2 1 1 2 1	1 1 1 2 2 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 2 1 1 1 2 2	2 1 3 3 3 2 1 1 2	2 1 4 2 5 4 3 1 1 3	2 1 2 2 3 4 2 1 1 2	2 1 1 2 3 2 1 1 2	2 2 1 1 2 2 1 1 2	2 1 1 1 2 1 1 2	2 2 1 1 1 2 1 1 3	2 2 1 1 1 2 1 1 2	2 2 1 1 2 2 2 2	2 2 1 1 1 3 1 3	1 1 1 4 1 2 4	2 1 3 3 1 1 2 3	2 1 2 1 1 3 1 2 2	2 1 3 2 1 3 1 2 2	2 2 1 2 1 2 2 2 2	2 2 1 2 2 1 3 1 3 2	1 2 1 2 3 1 3 1 3 2	1 1 1 3 1 2 1 2 2	1 1 1 3 2 1 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
21 22 23 24 25 26 27 28 29 30	1 1 2 3 4 2 3 2 2 2 2	1 1 2 4 1 2 2 2 1	1 1 2 3 1 2 1 2 1	1 1 1 1 1 1 1	1 2 2 1 1 2 1 1 1	3 4 3 1 1 3 2 3 3	4 4 4 3 2 1 3 4 2	3 3 3 3 2 1 2 3 2 3	2 2 1 2 2 1 3 2 2 3	2 1 1 2 1 2 2 1 2	2 2 1 2 2 1 2 2 1 2 2	2 1 2 2 1 1 2 2 2	2 3 1 1 1 1 2 1 2 1 2	2 3 1 1 1 2 1 2 2	3 3 2 2 1 1 1 2 2	4 4 1 2 2 1 1 1 3 2	3 4 1 2 2 1 1 1 3 2	2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 3 2 1 2 2 2 2	2 3 2 4 2 1 2 2 2 2 2	2 3 2 4 2 1 2 2 2 2 2	2 3 2 4 2 1 2 2 2 2 2 2	2 2 4 2 1 2 2 2	2 2 2 6 2 2 3 1 2 3	2 2 3 2 1 2 2 2 2 2
MEAN	2	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS . PARTS/MILLION

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 2 2 2 1 4 4 3 2 3 2 2 1 2 2 2
2 2 2 2 1 2 3 5 4 4 4 5 2 2 ···· 2 2 2 2 3 3 4 5 4 3 3 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 3 2 3 2 2 1 2 2 2
$\begin{smallmatrix} 4 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 &$	4 4 3 2 3 2 2 1 2 2 2
$\begin{smallmatrix} 4 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 &$	2 2 2
$\begin{smallmatrix} 4 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 &$	2 2 2
5 2 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	
0 2 2 2 2 2 5 8 6 4 3 4 3 3 4 4 6 5 3 3 3 3 2	
7 2 2 2 2 2 4 3 3 3 2 2 1 1 1 2 2 2 1 2 2 1 1	1 2 2
8 2 2 2 2 2 4 5 4 3 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
8 2 2 2 2 2 4 5 4 3 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 2 2
11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 4 4	3 2 2
12 2 2 2 2 2 3 4 6 5 4 2 2 **** 1 1 1 2 2 2 1 1 1	3 2 2
13 1 1 1 1 1 1 2 2 1 1 1 2 2 1 2 6 4 4 1 1 2 2	2 2 2 2
14 1 1 1 1 1 2 4 3 2 2 2 2 2 2 3 3 2 3 4 3 4	1 5 3 2
15 3 1 1 1 1 3 6 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2
16 1 0 0 0 0 1 2 2 1 2 1 1 1 1 2 2 2 2 4 6 4 4	1 5 3 2
17 3 2 2 1 1 1 1 2 1 1 1 1 1 1 1 2 1 2 3 3 3 3	2 2 2 2
18 3 2 2 2 2 2 1 1 1 2 1 1 1 1 2 2 2 3 3 4 4 4	1 3 2 2
19 1 1 1 1 1 3 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2
20 1 1 1 1 1 2 1 1 1 2 3 3 4 3 3 2 2 1 1 1 2	2 2 2 2
21 1 1 1 1 3 5 4 3 3 3 3 3 3**** 5 4 4 3 3 2 2	2 2 2 3
22 2 1 1 1 2 3 5 5 4 3 3 3 3 3 2 2 2 2 4 5 4	4 3 2 3
23 2 2 2 1 2 3 5 5 2 2 2 1 **** 2 2 2 1 1 2 2 3 3	
24 2 2 2 1 1 2 2 2 2 2 2 1 1 1 1 1 1 1 1	1 2 1 1
25	2 2 1 1
26 1 1 1 1 1 1 2 3 2 1 1 1 2 2 **** 2 2 2 2 2 1	1 1 1 2
27	
29 2 2 2 2 3 6 7 5 3 3 3 2 3 *** 2 3 3 3 2 2 3 30 2 2 2 1 1 2 3 4 3 3 3 2 2 2 4 5 6 6 5 4 3 2	3 2 2 3 2 2 2 3
MEAN 2 2 2 1 1 2 3 3 2 2 2 2 2 2 3 2 2 3 2 2 3 2 2	

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 33002 PHARMACY AND 401. SCARBOROUGH 10 12 13 16 17 14 15 18 19 21 22 23 20 24 MEAN 1 2 3 4 5 6 7 8 9 2 1 2 6 11 12 13 14 15 16 17 18 19 20 2245623443 21 22 23 24 25 26 27 28 29 2121323 32236743 3333333 2223324421 2 2 2 2 2 MEAN 2 2 3 3 2.6

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID . 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	- C	NO 3	3002	Р	HARMA	CY AND	401	. SCA	RBORO	UGH				MONT	H - N	ιον	77						
HOUR DAY	1	2	3	q	5	6	7	8	9	10	11	12	13	14	15	1.6	1.7	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	1 1 2 2 1 1 2 1	3 1 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1	2 2 1 1 2 1	4 4 2 6 2 1 2 1 3 3	2 3 2 7 2 1 2 1 2 2	1 2 2 3 2 1 2 1 2 2	1 1 3 1 1 2 1 2 3	1 1 2 1 1 1 1 1 2 3	1 1 2 1 2 1 1 1 2 2	1 1 3 1 2 1 1 2 2 2	1 1 3 2 3 1 2 1 2	1 1 3 2 1 1 2 1	2 2 2 3 2 1 1 2 2 2	2 2 3 3 2 2 1 2 2 2	2 2 3 3 1 2 1 2 1 2	2 3 3 1 2 1 2 1 2	2 2 3 2 1 2 1 2 1 2	2 1 5 2 1 2 1 2 1 2	2 1 4 2 1 1 2 1 2	1 1 3 2 1 1 1 2 1 1	2 2 2 3 1 1 1 2 2
11 12 13 14 15 16 17 18 19	1 2 3 2 2 1 3 2 1 3	1 2 2 2 1 1 3 1 1 3	2 2 2 1 1 2 1 1 2	1 2 1 1 2 1 1 1	1 1 1 1 1 1 2	1 1 1 1 1 2 1 1 1 1	2 2 1 2 2 2 2 1 1	2 2 3 4 2 3 2 2 1	2 2 5 5 2 5 2 2 2	2 2 4 3 1 3 2 2 1	2 2 2 3 2 1 4 1 2 1	2 2 2 2 2 1 3 2 2	1 2 2 2 1 1 2 1 3	1 2 2 2 2 2 2 2 2 2 2 3	2 2 2 2 2 3 1	1 3 2 3 1 3 2 3 1	2 2 3 2 2 2 6 2 3 1	2 2 3 2 2 5 2 3 1	2 4 2 2 2 3 2 3	2 4 3 1 2 2 2 3 1	1 2 4 2 2 2 2 3 1	1 2 3 2 2 2 1 3 1	2 2 3 2 1 2 2 1 3 1	2 3 2 1 3 2 1 4	2 2 2 2 2 2 2 3 2 2
21 22 23 24 25 26 27 28 29	1 1 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 3 2 2 3	1 1 2 1 2 2 2 2 2 2 2 2 2	1 1 2 2 2 2 2 2 2 2 2	1 1 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 5 2 4	2 2 3 2 3 2 2 6 3 7	2313322946	2 2 1 2 2 6 6 3	2 1 2 1 2 2 3 4 2	2 1 2 1 2 2 2 3 2	2322133233	2312133232	2 2 2 2 3 3 3	2 4 2 2 2 3 2 2 2	222233333	242232252	242232352	232233352	222232242	1 3 2 2 2 2 2 2 5 2	1 2 2 2 2 2 2 2 7 2	1 3 2 2 3 2 2 2 4 2	2 2 2 2 2 2 2 2 3 4 3
MEAN	2	2	2	i	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANI	r ± 0	ARBON	MONO	XIDE								UNITS	- PA	RTS/M	ILLION	N							
	STA	TION -	С.	NO 3	3002	3	HARMA	ACY AN	D 401	. sc	ARBOR	OUGH				MON	тн - (	DEC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	2 2 2 2 6 1 3	2 1 1 2 2 2 2 5 2 3	1 1 1 2 1 3 2 2	1 1 1 1 2 1 3 1 2	1 1 1 1 1 2 1 3 1 2	1 2 1 2 2 2 3 2 2	2 2 2 1 3 2 3 5 2 3	2 2 1 4 4 5 10 2 3	2 2 3 1 4 3 5 10 2 3	2 2 2 1 3 3 4 7 2 3	3 2 3 5 2 3	2 2 3 2 3 2 2 3	2 2 3 2 3 2 2 3 2 3 3	2 **** 3 3 2 3 3 2 2 3	2 2 3 3 **** 3 2 2 2 3	2233344224	2 2 3 3 5 6 2 3 4	2 2 3 3 2 6 7 2 4 5	2 2 3 2 4 5 2 3 5	1 2 4 2 3 3 2 3 7	1 2 3 4 2 2 4 2 7	1 2 2 4 2 2 3 1 2 6	1 2 2 3 2 2 4 2 3 5	1 2 3 2 2 4 1 3 5	2 2 2 2 3 3 4 2 4
11 12 13 14 15 16 17 18 19	8 4 3 2 2 1 2 2 1	5 3 2 2 1 1 2 1 1	5 2 2 2 1 1 1 2 1 1	3 2 2 2 1 1 1 2 1 1	3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 3 2 3 2 1 1 1	2 4 3 5 5 2 1 1	3639631	3 4 8 6 3 1 1	4 2 4 6 3 4 1 1 1 1	3 2 4 6 4 6 2 1 1	3245552111	3 2 6 6 3 2 2 1 1	3 2 3 5 3 2 1 1 1	3 4 2 5 4	4 3 2 6 3 2 2 1 1	4 8 3 6 3 2 2 1 2	5 10 2 5 3 2 3 1 1	6 6 2 3 4 2 2 1 1	5 7 2 4 4 2 2 1 1	7 3 2 3 2 2 1 2	8 2 3 2 2 1 1	9 2 2 3 2 1 1	8 5 2 3 2 2 2 1 1	5 4 3 4 3 2 2 1 1
21 22 23 24 25 26 27 28 29	2 1 3 1 1 1 2 1 2	1 1 2 1 1 1 2 1 3	1 1 2 1 1 1 1 2 2	1 2 1 1 1 2 3	1 2 1 1 1 1 2 2	1 2 1 1 1 1 2 2	2 1 2 1 1 2 2 3	5 2 2 2 1 1 2 2 2 5	6322112335	4 2 2 3 1 1 1 2 2 3	3 2 2 2 1 1 2 2 4	4 2 1 2 1 1 2 2 4	5 2 1 2 1 1 1 1 ****	1 2 1 2 2 1 1 1 1 5	4 2 1 2 2 1 2 1 2 4	4 2 2 2 2 1 1 1 2 4	5 2 2 2 1 1 2 2 2 5	4 2 2 2 1 1 4 2 2 4	4 2 2 2 1 1 3 2 2 4	4 1 2 2 1 1 3 2 2 4	2 1 2 1 1 1 4 1 2 3	2 1 2 1 1 4 2 2 6	2 1 2 2 2 2 2 5	2 1 2 1 1 2 2 2 4	3 2 2 2 1 1 2 2 2 4
31 MEAN	5	2	3 2	2	1	2	2	2	3	3	3	3	2	2	2	3	2	3	3	3	3 2	3 2	2	2	3 2.4

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

# UNITS - PARTS/MILLION

	Property Color Color Color Color		The second secon	
STATION - C	NO 33002 PHARMACY A	ND 401. SCARBOROUGH		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.7	4	8
FEB	28	1.5	2	6
MAR	31	1.6	3	13
APR	27	1.7	3	8
MAY	30	1.8	3	7
JUN	30	1.8	3	6
JUL	29	1.8	3	5
AUG	31	2.0	3	7
SEP	30	2.1	4	8
ост	29	2.6	4	15
NOV	30	2.0	4	9
DEC	31	2.4	5	10
YEAR	357	1.9	5	15

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROU	P FREQUENCY	DISTRIBU	TION FOR 19	77			
POLLUTANT - C	ARBON MONOX	IDE			U	NITS - PAR	TS/MILLION
STATION - C	NO 33002	PHARM	ACY AND 401	. SCARBORO	UGH		
MONTH (	00 TO 01 02	TQ 03 0	4 TO 08 09	TO 13 14	TO 30 3	1 BOVER	TOTAL
JAN	424	270	47	0	0	0	741
FEB	414	227	25	0	o	0	666
MAR	453	253	30	5	0	0	741
APR	364	285	33	0	0	0	682
MAY	318	364	43	0	0	0	725
JUN	300	376	38	0	0	0	714
JUL	325	341	38	0	0	0	704
AUG	264	422	51	0	0	0	737
SEP	209	426	77	0	0	0	712
oct	136	455	117	9	1	0	718
NOV	236	441	39	1	0	0	717
DEC	220	400	114	5	0	0	739
YEAR	3663	4260	652	20	1	0	8596

FREQUENCY		ION BY	PERCENTILES									
	PERCENT						TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	XAM	MEAN
	98.1	o	0.2	0.7	1.2	1.7	2.8	3.7	4.8	5.6	15	1.9

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	- с	NO 3	E00E	ı	AWREN	ICE/KE	NNEDY	SCAF	RBORO	UGH				MONT	гн - ,	IAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	2 1 2 2 3 2 1 2 1 0	2 1 1 3 3 1 2 1 0	2 1 1 2 3 1 1 0 0	1 1 2 2 1 1 1 0	1 1 1 1 0 0	1 1 1 1 2 1 0 0	1 2 2 4 2 3 1 0 1	1 3 4 6 4 5 1	1 4 6 6 5 5 1	1 1 3 4 5 6 2 1 1 1	3 3 4 4 1 1 1 1	1 1 2 **** 3 4 1 3 1	1 1 3 1 2 2 1 3 1 1	2 2 3 2 3 2 1 4 1 1	1 2 3 2 3 2 1 4 1	2 2 3 3 4 2 1 2 1 2	2 4 4 5 3 3 2 1 2	2345533212	2 2 3 4 4 2 2 2 1 1	2 4 4 4 2 2 2 1	3 2 4 4 4 1 2 2 1	3 3 4 1 2 2 1 1	2 3 4 4 2 2 1	2 2 3 4 3 2 2 2 1	2 2 3 3 4 3 2 2 1 1
11 12 13 14 15 16 17 18 19	1 2 1 1 3 1 1 1 1 1	0 1 1 1 3 1 1 1 1 1	O 1 1 1 O 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 0 0 1	0 1 1 1 0 1 0 0 1	1 1 2 1 1 1 1 1 1 1	1 1 2 6 1 2 4 3 2	3 5 5 1 4 7 4	3 4 5 7 2 1 3 5 4 4	3 3 4 6 2 1 2 3 2 3	2 3 4 6 2 1 1 2 2 2 2	1 2 3 6 2 1 1 1 1	1 2 2 5 2 1 1 2 1 2	1 2 2 3 3 1 1 2 1 2	1 2 2 2 1 1 2 2 2 2	2 2 3 2 2 1 3 3 2 2	3 4 4 4 2 2 5 4 3 3	3 6 5 4 2 2 4 4 4 4 4	3 5 3 4 2 1 3 3 3	2 4 2 3 1 1 3 2 3 3	1 3 2 3 1 1 2 2 2 3	1 3 1 2 1 1 3 2 1	1 2 2 1 2 2 2 1 2	1 2 1 1 2 1 1 2	1 2 2 3 2 1 2 2 2 2
21 22 23 24 25 26 27 28 29	1 1 2 1 1 2 1 1	2 1 2 1 1 2 1 1	2 1 3 1 1 0 1 1 1 1	2 1 3 1 1 0 1 1 1 1 1	1 1 3 1 1 0 1 1 1 1 1	1 1 2 1 2 1 1 1 1	3 1 2 3 4 3 1 2 1 1	4 1 2 4 5 3 3 2 1 1	523452211	4 2 3 3 5 1 2 1	2 2 3 3 4 1 1 1 2	2 3 2 3 4 1 1 1 2	2 3 2 2 4 1 1 2 2 1	2 2 2 4 - 1 2 2 2	3 2 2 2 4 2 1 1 2 1	3 2 2 2 4 2 2 2 1	6324333221	5 3 4 1 3 2 2 1	3 2 1 3 1 2 2 2 2	3 1 3 1 2 3 2	2 1 1 3 1 3 1 1 1 1	1 1 3 1 1 2 1 1 1 1	1 1 3 1 1 2 1 1 1	2 2 1 3 1 1 2 1 1 1 1	3 2 2 3 3 1 2 2 1
31 MEAN	1	1	1	1	1	1	1	3	3	3	2	2	1 2	2	2	2	3	3	2	2	2	2	1	1	2 . 0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- C	ARBON	NONO	XIDE								UNITS	- PA	RTS/MI	LLION	ı							
	STA	TION -	C	NO S	33003	1	LAWREN	CE/KE	NNEDY	SCAR	BOROL	JGH				MONT	TH - F	ЕВ	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 2 1 1 1 1 0 3 1 2	1 2 1 1 1 1 0 2 1	1 1 0 1 1 0 2 1 2	0 1 0 0 0 0 1 1 2	0 0 1 1 0 0 0 1 1 1 2	1 1 1 0 0 0 0 2 1 2	2 3 2 4 1 0 2 5 2 3	2 5 3 5 1 4 6 3 4	2 5 5 1 1 3 6 3 5	1 4 2 3 2 1 2 5 2 3	1 3 2 2 1 2 3 2 2	2 2 2 2 1 2 3 2 .	1 2 2 2 2 2 2 2 2 2 2	1 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 1 2 2 2	2 2 2 3 2 1 2 3 3	3 4 2 5 2 1 5 4 4	3 4 2 4 2 1 5 3 5	3 2 2 4 1 1 4 3 4	3 2 2 4 1 1 4 2	4 2 1 3 1 1 3 2 3	3 2 1 3 1 1 3	2 1 2 2 1 1 3 1 3 1	2 2 2 1 1 4 1 3 1	2 2 2 3 1 1 2 3 2 2
11 12 13 14 15 16 17 18 19	2 3 1 0 1 1 1 2 2 2 2	3 4 1 0 0 0 1 1 2 3	3 2 1 0 0 0 1 1 2 2	2 2 1 0 0 0 1 1 2 1	1 1 0 0 0 0 1 1 2 1	1 1 0 0 1 1 2 3 1	2 2 1 2 1 3 3 2 4 1	3313365521	3412345421	2 4 1 1 2 4 2 2 1	2 4 1 1 1 2 2 2 2 2 2	2 3 1 1 1 2 2 3 2	2 3 1 1 1 2 2 3 2	2 3 1 1 1 1 1 1 2 3 2	2 1 1 2 1 2 2 4 2	2 1 1 2 2 2 2 2 2 2 2	4 1 3 3 3 5 4 3 2	5 1 2 1 2 4 4 3 2	4 1 1 1 2 3 2 4 2	3 1 1 1 2 3 2 3 2	3 0 1 1 1 3 2 2 1	4 0 0 1 1 2 2 2 1 1	3 0 0 1 1 1 2 2 1 2	3 0 0 1 1 1 1 2 2 2 1	3 2 1 1 2 2 2 2 2 2 2 2
21 22 23 24 25 26 27 28	1 2 1 1 1 0	0 1 1 1 1 1 0	0 1 1 1 1 1 1 0	0 1 1 1 0 1 0	0 1 1 1 1 0 0	0 1 1 1 0 0 0	1 2 1 1 1 1 0	4 1 1 3 1 0 4	4 4 1 1 3 1 0 4	2 3 0 1 2 1 0 3	2 2 1 1 2 1 1 3	2 1 1 2 1 2 2	2  1 1 2 1	2 2 1 1 1 2 2	2 2 1 1 2 2 2 1	2 2 2 1 1	3 2 1 2 2 3 1 2	3 2 0 2 3 3 1 2	2 3 0 2 2 1 1 2	2 2 0 2 1 1 1	1 1 3 1 1 1	1 0 2 1 1 1	1 0 1 1	1 1 0 1 1 0	2 1 1 2 1 1 2 2
MEAN	1	1	1	Ť	1	1	2	3	3	2	2	2	2	2	2	2	3	3	2	2	2	1	1	1	1.7

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - MAR 77 HOUR 10 11 12 13 14 15 16 7 8 17 18 20 21 22 23 24 MEAN DAY 9 10 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 29 30 1 1 3 

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

2 2

1.6

- NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. .. INDICATES DATA IS UNAVAILABLE

MEAN

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - APR 77 HOUR DAY 22 23 24 MEAN .0000 9 10 1 2 12 13 14 15 16 17 18 19 22 23 24 25 26 27 28 29 30 MEAN 1.5

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. \*- " INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARSON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - MAY 77 1.1 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 12 13 14 15 16 19 20 22 23 24 25 26 27 28 o o MEAN 1.6

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- \* INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.4

UNITS - PARTS/MILLION POLLUTANT - CARBON MONOXIDE MONTH - JUN 77 STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH 20 21 22 23 24 MEAN 10 11 12 13 14 15 16 17 18 DAY 12 13 1.9 22 23 24 25 26 27 1.6 MEAN 

PERCENTAGE OF DATA VALID - 98.5. PERCENTAGE OF DATA INVALID - 0.1

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - JUL 77 HOUR 11 12 13 14 15 19 20 21 22 23 24 MEAN 7 8 9 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 29 30 2 2 1 3 2 2 0 1 2 1 

1 ....

2 2

PERCENTAGE OF DATA VALID - 99.6

MEAN

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

2 2

3 2

2 2

2 1.6

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2 2

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - AUG 77 HOUR 9 10 11 12 17 18 24 MEAN 12 13 14 15 16 17 18 19 22 23 24 25 26 27 28 29 3 5 4 MEAN 2 2 2.1

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	5000																								
	STA	TION	. c	NO	33003		LAWREN	NCE/KI	ENNED	SCA	RBOROL	JGH				MON	TH - 1	VOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1	9	1	1	1	1.	1	,	2	2	1	1	1	ï	4	1	1	,	1	•	•	•		2	-	
2	2	1	1	1	1		2	5		1	1	î	- 1	- 4	i				2	2	- 2	- 1	*	2	
3	1	1	1	1	1	1	1	2	3	1	i	â	- 1	1	- 1	- ;	- 1	1	1	1	1	- 1	- 1	1	1
4	3	3	3	2	2	1	2	9	8	4	4	3	3	3	2	2	3	2	3	3	5	5	•	4	2
5	1	1	1	1	1	1	1	1	ĭ	1	- 7	ĭ	ĭ	1	1	1	2	3	2	2	2	2	- 1	1	3
6	1	1		1	1		1	9		i i	- 1	4	- 1	2	1		-	- 1	1	•	1	- 1	- 1	1	1
7	1	1	1		1	1	1	- 4		i	- 1	- 1	- 1	•		1	- 3	1	1	1	1	1	1	1	
8	1	1	1	1	1	1	,	- 6			5	- 1	- 1	1	1	1	1		1	1	1	1	1	1	
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5.5								1		2	2	3	2	2	2	2	2	3	2	2	1	1	1	2	2
11	1	1	0	1	0	0	1	2	2	1	1	ť	1	1	1	1	2	2	2	ï	2	2	12	12	
12	1	1	0	0	0	0	1	1	2	1	2	2	2	3	3	á	3	3	2	2	1	- 1	1	1	1
13	1	2				0	0	0	1	1	1	7	7	ĩ		2	3	2	3	2	2	- 1	1	2	2
14	1	1	0	0	0	1	3	6	6	4	3	2	2		2	3	É		4	3 5	2 3 2 3 2 2	2	3	3	. 1
15	2	1	1	1	1	1	3	6	5	3	ž	2		5	5	3	5	2		5	3	3	3	4	3
16	2	1	1	1	1	1	3	3	4	2	2	2	ż	5	3	3	4	Ã	2	2	2	2	2	2	2
17	4	4	2	1	- 1	1	4	8	11	4	4	3	3	2 2 2 3	3 2 2	2	8	8	3	3	3	3	3	4	2
18	1	1	1	1	î	- 1	1	3	3	1	1	ĭ	2	1	2	2	3	3	3	3	2	2	2	2	4
19	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3		3	2	2	2	1	1	3
20	3	1	1	1	0	o	ò	õ	ō	ō	ō	ō	ō	ő			-	3	3	4	3	3	3	4	2
					-		-		U		•			U	Jr.		*		1	1	1	1	1	1	1
21	1	1	1	1	1	1	2	3	4	3	2	2	2	2	2	2	4	4	2	2	2	,	1	2	
22	1	1	1	1	1	1	2	4	4	3	2	2	2	2	2	3	4	4	5	2 2 2 3	5	2		1	2
23	1	1	1	1	0	0	1	1	1	1		1	1	1	1	1	1	•	ĭ	5	2 2 2	2	2	2	1
24	1	1	1	1	1	1	2	4	4	3	2	2	2	2	2	2	3	3	3	3	-	2	2	2	
25	1	1	3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	ž	2	ž	2	3	3	3	2
26	3	2	3	1	1	1	1	1	2	2	2	2	2	2	2	2	1	- 7	ī	ī		•	2	2	
27	2	3	1		1	0	1	1	î	1	1	1	1	1	ī	7		- 4	•		- 1	- 1	-		2
28	1	1	3	1	1	1	1	9	8	6	3	2	2	2	2	2	4	5	3	3	1	4	1	1	1
29	2	1	1	1	1	1	4	6	8 6	5	3 5	4	4	4	2	3	5	7	5	5	3	-	2	2	3
30	4	3	2	1	1	1	1	2	4	2	2	2	2	1	1	1	1	1	1	1	4	3	6	4 2	4 2
MEAN	2						_	_		_	_	-	-		-	2000			-					-	-
CMIT	•		1	,	1		2	3	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANI	- 0	ARBO	N MONO	XIDE								UNITS	- PA	RTS/M	ILLIO	N							
	STA	TION -	С	NO	33003		LAWREN	ICE/KE	NNEDY	SCA	RBOROL	JGH				MON	TH - (	DEC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	1	1	1	,	1	1	2	2	2	2	2			_	161			5,000							
2	1	1	1	1	1	4	5	5	2	2	5	2	3	2	3	3	3	3	2	2	2	2	1	1	2
3	1	1	1	ì	í	÷	-	3	2	2		2		2	2	2	3	2	2	2	2	2	1	1	2
4	2	2	1	î	i i	•	•		- 1	- 1	3	- 2	2		3	2	3	4	3	3	2	1	2	2	2
5	1	1	1	1	- 1	•	- 1			- 1				2	2	2	3	2	4	2	2	2	2	1	2
6	1	1	1	- 1	i	- 6	- 1	2	2	3	3	- 1	0	1	1	1	1	1	4	1	1	1	1	1	1
7	1	1	- 1	- 1	•		2	7	4	3	2	3	3	2	3	4	7	6	4	3	2	2	2	1	2
8	4	5	4	à	à	3	4	6	6	6	3	2	2	2	****	2	5	5	4	3	3	4	4	6	3
9	1	- 1	1	1	7	2	2	3	0	2		2	1	1	2	2		1	1	1	1		1	1	3
10	2	2	j	ì	Ť	î	2	2	3	4	4	2 6	4	2 4	2 5	4	5	6	3 5	2 6	7	2 8	5	2 5	2
11	6	7	5	3	3	2	2	2	4	2	2	2	2	122	220	221	100								
12	4	3	2	1	1	- 7	3	ñ	3	2	5	2	- 2	4	2	4	5	6	6	6	4	5	6	6	4
13	4	2	2	2	2	2	2	ă	4	4	4	4		2	3	5	7	7	5	7	4	4	4	5	4
14	2	2	3	2	2	2	3	-	8	6	- 7	-	2	6	3 5	4	5	3	4	3	3	2	3	4	3
15	2	2	1	1	1	2 2	3	6	6	5	-	2	2		2	6	8	5	5	6	5	4	3	4	4
16	2	1	î	1	1	2	4	6	4	4	<i>.</i>	• • •	~		5	5	8	6	7	5	4	3	4	4	4
17	1	1	1	1	1	1		1	7	7	7.				1	2	1	•	1	1	1	1	1	1	2
17 18	1	1	1	1	1			4		- 1				1	1	- 1	1		1	1	1	1	1	1	1
19	1	1	1	1	1	- 1	- 7	- 1	- 3			1		!	1	1	1	1	1	1	1	1	1	1	1
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21	1	í	2	á			2	5		12	_	120	220								•	•	•	559	
21 22 23 24	2	í	1	4		4	3	2	6	4	3	3	4	3	2	3	5	3	3	4	3	2	2	3	3
23	7	•	4	4	î	- 1	•	-	4	2	2	2	3	3	3	2	3	3	2	2	2	1	1	2	2
24	4	· .	Ė	3	ż	,	2		2	2	2	2	3	3	2	3	3	3	3	3	2	2	2	3	2
25 26 27	1	ĭ	1	7	- 1		- 2	3	4	4	3	4	3	3	2	2	2	2	2	2	1	1	1	2	3
26	vå.	100				- 1	- :	1		1	1	- 1	- 1	1	1	1	1	1	1	1	1	- 1	1	1	7
27	- 1	- 4	9			- 1	!	1	1	1		1	1.		1	1	1	1	2	2	2	2	2	2	4
28	2			- 1		- 1	2	5	2	2	2	2	2	2	2	2	3	3	3	3	4	4	3	3	9
28 29 30	7						2	4	3	2	2	2	2	2	2	5	3	2	2	2	2	1	1	2	5
30	2	3	2	3	2		5	335	3	3	3	2	••••	3	3	3	3	3	3	3	3	2	2	3	2
31		-5.		3		,		2	2	2	2	2	2	5	6	4	3	3	2	2	3	4	6	4	3
	6	4	2	9	2	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	2
MEAN	2	2	2	1	1	1	2	3	3	3	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE . 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

ONTHLY SUMMARY	OF HOURLY AND 2-HOURLY	DATA FOR 1977		
OLLUTANT - CAF	RBON MONOXIDE		UNITS - PARTS/MILLION	
TATION - C	NO 33003 LAWRENCE/KE	NNEDY SCARBOROUGH		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
UAN	31	2.0	4	7
FEB	28	1.7	3	6
MAR	31	1.6	5	16
APR	30	1.5	4	6
MAY	31	1.6	3	9
JUN	29	1.6	3	6
JUL	31	1.6	3	6
AUG	29	2.1	4	7
SEP	30	1.9	4	7
OCT	31	2.4	4	14
NOV	30	1 . B	4	11
DEC	31	2.3	4	8
YEAR	362	1.8	5	16

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - PARTS/MILLION

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

POLLUTANT - CARBON MONOXIDE

			SECRET SECRET SECRET			No. Chicago	****			
MONTH	00 TO 01	02 TO 03	04 TO 08 (	9 TO 13	14 10 30	31 &OVER	TOTAL			
JAN	337	314	91	0	0	0	742			
FEB	335	274	58	О	٥	0	667			
MAR	492	193	48	3	3	0	739			
APR	428	207	81	0	0	0	716			
MAY	438	242	61	1	0	0	742			
JUN	378	287	44	0	O	0	709			
JUL	402	294	45	0	0	0	741			
AUG	277	338	100	O	0	٥	715			
SEP	387	249	83	0	0	O	719			
OCT	259	339	136	5	2	0	741			
NOV	405	248	63	3	0	0	719			
DEC	306	296	138	0	o	0	740			
YEAR	4444	3281	948	12	5	0	8690			
FREQUENCY		ION BY PERC	ENTILES		CONCE	NTRATIONS				
	PERCENT OF DATA			FREGU	ENCY DIST		PERCENT			ARITH
	VALID	MIN	10 3	10 50		90	95 9	99	MAX	MEAN
	99.2	0	0.1 0.	5 1.0	1.7	3,2	3.9 5.	5.8	16	1.8

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - JAN 77 HOUR 9 10 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 11 9 11 12 13 14 15 16 17 18 19 20 2 2 21 22 23 24 25 26 27 28 29 2 2 2 1 2 1 2 2 2 1 2 2 1 1 31 2 2 2 2 2 2 2 2 2 2 2 MEAN 1 1 1 1 1 2 2 2 2 1 1 1.5

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - FEB 77 7 8 9 10 11 12 13 14 5 6 15 16 17 18 19 20 21 22 23 24 MEAN 2 2 2 10 11 12 13 14 15 16 17 18 19 20 2 23 2 2 1 2 2 2122211 21 22 23 24 25 26 27 28 2 MEAN 2 1 1 1.4

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. " ---- INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

					ā									ONTIS	- PAI	RTS/M	LLLION	N.							
	STA	TION -	¢	NO	34002		SC CTR	770	DON	MILLS	RD.	NORTH	YORK			MONT	гн - м	MAY	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		17		19	20	21	22	23	24 N	EAN
1	2	2	2	2	2	2	2	2	2	1					120	120									
2	1	1	1	1	1	1	1	7	5	2	- 1	- 1	- :	1	- 1	1	1	1	2	2	1	1	1	1	1
3	1	1	1	1	1	1	1	,	- 1	1	- 1			- 1	1	1	1	1	1	1	1	1	1	2	1
4	2	2	2	2	2	2	2	7	- 1	,	ì		- 1	1	1	1	1	1	1	1	1	2	2	2	1
5	1	1	1	1	1	1	1	1	1	•	- 1							1	1	1	1	1	1	1	1
5	3	3	3	2	2	1	2	1	1	i	î	ò	ò	o			- 2	2	2	2	1	2	2	2	1
7	1	1	1	1	1	1	1	1	1	1	î	ĭ	ŏ	ŏ			- !	1		1	1	1	1	1	1
В	2	2	2	2	1	1	-1	1	1	1	1	1	ī	ĭ	1				1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1		1	0	Ö	ó	4	1		- 1	- 1	1	1	1	1	1	1	1.
10	3		1	1	1	7	•	1	1	1	1	- 1	ī	i	i	- 1			- 1	1	1	1	1	1	1
11					10											,		1		1	1	1	1	1	1
12	3	3	1	1	1	1	2	2	2	1	2	1	1	1	1	2	2	2	747	2	_				
13	3	3	3	2	2	2	3	4	2	2	1	1	1	1	1	7	1	- 7			2	2	3	3	2
14	2	2	1	1	1	1	1		. 1	1	1	1	1	1	1	2	1	- 1	- 4		1	!	1	1	2
15	- 1	*	1	- 1	1	1		1	1	1	1	1	2	1	2	2	2	4	i i		- 1	1	1	2	1
16	3	4	1	1	1	1	1	1	1		1	1	1	1	1	1	1	- i	- 4	,	2	3		1	3
17	3	2	4	4	4	4	4	5	4	3	3	2 *		1	2	2	2	1	4	7	2	2	3	3	1
18	1	*	2		1	1	2	2	2	1	1	1	1	1	1	1	1	1		2		2	2	2	3
19	i	1	1		1	1	1	1	1	1	1	1	2	1	1	1		1	•	7	1	1	1	1	- 4
20	3	3	3	3	1 2	1	1	1		1	1	1	1	1	1	2	- 1	2	2	2	-	3	3		1
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25	2	2	1	1	1	1	1	2	2	2	1	1 *			4		ż	2	2 2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	100	î	- 1	*	2	2	3	2	1	2
27	2	1	1	1	1	1	1	1	1	1	1	1	1	1	- 4		2	٠	2	2	1.	1	1	1	1
28	2	2	2	2	2	2	2	2	2	1	1	1	1	i	- 1	÷	7	5	- 1	2	3	2	2	2	1
20	1	2	2	2	1	1	1	1	1	1	1	1	1	1	i	1	1	1	- 1		2	2	2	2	2
29 30	2	1	2	1	1	7	1	1	1	1	1	1	1	- 1	-	1	1	- 1	- 1	- 1		- 1	1	1	1
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31	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	i	-	•	1		1	
MEAN	2	2	2	2	Ť	1	2	2	1	1	1	1	1	1	1	1	1	1	,	1		2	2	2	1.4
																				•		•	-	•	1.4

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - JUN 77 6 7 9 10 11 12 13 14 15 16 17 18 19 8 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 0 0 MEAN 1.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. " - " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION -	C	NO 34002	SC	CTR	770	DON	MILLS	RD.	NORTH	YORK	

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	3	5
FEB	28	1.4	2	4
MAR	31	1.4	4	8
APR	30	1.4	3	5
MAY	31	1.4	3	5
JUN	30	1.1	2	4
JUL	12	1.1	2	
AUG		DATA UNAVA	_	3
SEP		DATA UNAVA		
OCT		DATA UNAVA	G.G.T.	
NOV		DATA UNAVA		
DEC		DATA UNAVA		
YEAR	193	1.4	5 Z E	
		• • •	4	8

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT .	CARBON MO	NOXIDE			u	NITS - PA	RTS/MILLION
STATION -	C NO 340	02 SC CTR	770 DO	N MILLS RD. N	ORTH YORK		
MONTH	00 TO 01	02 10 03 04	TO 08	09 TO 13 14	10 30 3	1 &OVER	TOTAL
JAN	432	302	5	a	٥	0	739
FEB	444	221	1	0	o	0	666
MAR	510	207	15	0	0	0	732
APR	476	238	3	0	0	٥	717
MAY	496	232	10	0	0	0	738
JUN	611	98	6	0	0	0	715
JUL	227	58	0	0	0	0	285
AUG		DATA UNAVAIL	ABLE				
SEP		DATA UNAVAIL	ABLE				
OCT		DATA UNAVAIL	ABLE				
NOV		DATA UNAVAIL	ABLE				
DEC		DATA UNAVAIL	ABLE				
YEAR	3196	1356	40	0	0	0	4592

FREQUENCY	DISTRIBUTI	ON BY	PERCENTILES									
	PERCENT OF DATA				FREQUENCY		TRATIONS					
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
	90.3	0	0.1	0 4	0.7	1.0	1.0					

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - JAN 77 HOUR 6 7 8 9 10 11 12 13 14 15 16 17 18 21 22 23 12 13 14 15 16 17 18 22 23 24 25 26 3 2 2 2 2 2 3 28 2.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN'	r - c	ARBON	MONO	XIDE							Ų	NITS	- PAR	RTS/MI	ILLION	ų.							
	STA	TION	- c	NO 3	4007	В	ATHUR	ST/WI	LSON.	NORT	н үог	RK				MONT	гн - г	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	1 2 1 1 2 2 2 2 2 2 2 2	1 2 1 1 1 2 1 2 2 2 2	1 2 1 1 1 2 1 2 2 2	1 1 1 1 2 1 2 2 2 2	1 1 1 1 2 2 3	1 1 2 1 2 2 2 3	2 3 2 1 1 2 3 2 3	2 2 3 3 + + 2 3 3 3	2 3 5 3 2 1 2 5 3 4	1 3 3 2 2 2 2 4 3 3	1 2 3 2 2 1 2 4 3 2	1 2 2 2 2 1 2 3 3	2 2 2 1 2 2 2 3	2 2 1 1 1 2 2 2 3	1 2 2 2 1 1 2 3 3	1 2 2 2 1 1 2 3 3 4	2 2 2 1 1 2 3 4 4	2 3 2 2 2 1 3 3 4 4	232223344	3 2 2 2 2 3 3 4 4	3 2 2 2 2 2 2 2 4 3	22222233	S S S S S S S S S S S S S S S S S S S	2 2 1 1 1 2 3 2 3 3	2 2 2 1 2 2 3 3 3 3
11 12 13 14 15 16 17 18 19 20	3 2 2 1 1 2 2 2 1	2 2 1 1 1 2 1 2 2	2 2 1 1 1 1 2 2 2	1 2 2 1 1 1 1 2 1	1 1 1 1 2 1	1 1 2 2 2 1	2 2 1 1 2 2 3 2 1	3 2 1 2 1 2 3 6 1 1	3 3 1 2 2 2 3 5 2 2	2 3 1 2 2 3 1 2	2 3 1 1 2 2 3 1 2	2 3 2 1 2 2 2 1 2	1 3 2 1 1 1 2 2 1 2	1 3 2 1 1 2 2 1 2	1 3 1 1 1 2 2 1 2	2 3 1 2 2 3 1 2	2 3 1 1 2 2 2 3 2 2	2 3 1 2 2 2 2 3 2 2	2 3 1 2 2 2 2 3 2 2	2 2 1 1 2 2 2 2 2 2 2 2 2	2 1 1 2 2 2 2 1	2 2 1 1 2 2 2 2 1	2 2 1 1 2 2 1 1 1	2 2 1 1 2 2 2 1 1	2 2 1 1 2 2 2 2 2 2
21 22 23 24 25 26 27 28	1 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 1 2	1 1 2 2 1 2 2	1 2 2 2 2 1 2	1 2 2 2 2 1 2 2	1 2 2 2 2 2 2	2 2 2 2 1 2 2	2 3 2 2 2 2 2 2	2333223	2 3 3 2 2 2 2	2 2 3 2 2 3 2	1 2 3 2 2 4 2	1 2 2 3 2 2 4 2	1 2 2 3 2 2 5	1 2 2 5 2 2 4 2	2 2 5 2 2 2 2	2 2 3 6 2 2 2 2 2	2 3 7 2 2 2	2 2 2 5 2 2 2 2 2	2 2 3 2 3 2 2 2	2 2 3 2 3 2 2	2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2	2 2 2 3 2 2 2 2 2
MEAN	2	2	2	1	3	2	2	2	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION -	C	NO	34007		BATHUR	ST/WI	LSON.	NORT	TH YO	RK				MONT	TH - 1	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	1	1			_				-
2	1	1	1	1	1	15	2	2	2	7	1	ī	7	•		- :	2	2	1	1	1	1	1	1	2
3	1	1	1	- 1	1	2	2	6	6	5	à	3	2	3	3	3	4	3	2	2	2	2	2	2	1
4	2	1	1	1	1	1	2	3	3	3	2	2	2	2	3	3	3	4	3	2	2	2 2	2	2	3
5	2	2	2	1	1	10	2	2	2	2	2	2	2	2	2	2	2	2			2	2	2	2	2
6	2	1	1	1	1	285	1	- 7	7	2	2	2	2	2					2	2	2	- 1		2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	1	- 1	1	- 7	2	3	4	3	2	2	1	2	2	1	1	1	1	1	1	1	- 1	1	2
9	2	2	2	2	2	2	2	4	5	4	2	2	,	2	2	2	2	2	2	2	3	3	2	2	2
10	2	2	2	- 1	7	2	2	3	4	4	3	3	2	2	2	2	2	3	2	2	2	2	2	2	2
						•	•	9	-	-	3	3	2	2	2	2	2	3	3	4	6	6	6	10	3
1.1	10	6	4	3	3	4	6	7	6	5	4	3	3	2				-				_	_		
12	3	2	2	2	2	2	2	3	3	2	2	2	3	2	3	4	4	4	4	4	4	3	2	2	4
13	2	2	1	1	1	1	1	2	1	2	2	-	1		3	3	3	4	4	5	4	3	2	2	3
14	1	1	1	1		1	2	2	2	ī	î			1	1	1	- 1	1	3	5	4	4	4	3	2
15	2	1		1	2	2	3	4	4	4	2	2	2	2 .		1	1	1	2	2	2	2	2	2	1
16	2	2	1	1	1	1	2	2	2	2	2					3	4	4	3	2	2	2	2	2	2
17	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	- 1	1	1	1	2
18	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
19	2	2	1	1	ī	1	2	2	2	2	2	2	2		2	2	2	2	1	1	1	1	1	2	2
20	3	4	3	4	2	1	1	1	2	2	2	2	2	2	2	2	2	3	4	4	3	2	2	3	2
					_				•	•	•	-	2	2	3	4	2	,	- 1	1	2	2	2	1	2
21	2	2	1	1	2	2	2	3	3	3	3	2	2	2	3	3	2	2	-						
22	1	1	1	1	1	1	2	3	3	2	2	2	2	1	2	2	2		2	2	2	2	2	1	2
23	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	- 1	1	- 1	1	2
24		1	1	1	1	1	1	1	1	1	1	1	- 1	7	•	•	2	2	2	*	1	1		1	1
25 26	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	1	
26	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	5	2	4	3	3	2
27	4	4	4	3	3	4	5	4	2	2	3	3	2	3	3	3	3	3	3	3	6	3	3	3	2
28	2	2	2	2	2	2	3	6	7	6	5	5	4	4 .		3	4	4	4	3	2	2	2	2	3
29	1	1	1	1	1	1	2	5	6	4	3	3	2	2		ĭ	- 7	2							
30	2	3	3	3	3	2	4	5	5	2	2	2	2	2	2	Ť	2	2	2	2	2	2	3	1	2 2
31	2	1	1	1	1	1	1	1	1	1	1	1	1	ï	i	1	1	1	2	2	1	1	1	1	1
MEAN	2	2	2	3.	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANI	r - 0	CARBO	N MONO	XIDE							ţ	UNITS	- PA	RTS/M	LLIO	N							
	STA	TION .	- с	NO .	34007	j	BATHUR	ST/WI	LSON.	NORT	H YOR	ĸ				MON	гн - ,	APR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4	1 2 2	1 1 1	1 1 1	1	1	1 1 1 1	2 1 1 2	2 2 1 2	2 1 2	2 2 1 2	2 1 2	2 2 1 2	3 3 1 2	3 1 2	3 1 2	3 4 1 2	4 4 1 3	4 1 2	4 5 2 2	3 5 2 2	2 4 2	2 2 2	2 2 2	2 2 2 2	2 2 1 2
5 6 7 8 9	2 1 1 2 2 4	2 1 2 1 2 3	1 1 1 2 3	1 1 2 3	2 1 1 2 3	2 1 2 1 2 3	2 4 1 2 3	3 1 4 1 2 2	3 1 3 1 2 2	2 1 2 1 2 3	2 1 2 1 2 3	2 1 2 1 2 3	2 3 2 2 3	2 3 2 2 3	2 2 3 2 2 3	2 4 2 2 3	2 3 2 2 3	2 2 3 2 2 3	2 2 3 2 4	2 2 2 3 4	1 2 2 2 3 4	1 2 2 2 4 4	1 2 2 2 3 4	2 2 4 4	2 2 2 2 3
11 12 13 14 15 16 17 18 19	4 3 4 2 2 2 3 4 4 4	3 2 3 2 2 2 2 3 4 4 4	3 2 3 1 2 2 2 4 4 3	3 2 2 2 2 2 3 4 3	3 2 2 2 2 2 2 5 5	3 2 2 2 2 2 2 2 3 5 4 3	4 2 2 2 2 2 2 2 6 4	5 3 2 2 3 2 2 6 6 6	5 2 2 3 2 7 5	4 2 2 2 2 2 2 8 4 6	4 2 2 2 2 2 2 7 3 6	4 4 2 2 2 2 7 3 4	4 4 2 2 2 3 2 4 3 4	3 4 2 2 3 3 3 3 4	2 2 2 3 3 3 3 4	2 2 2 3 3 3 3 4	3222333445	3 2 2 2 3 3 4 5 5	3 2 2 2 2 4 4 4	2422224544	252234543	342225644	3 3 2 2 2 4 5 4 4	3 3 2 2 2 2 4 4 4 3	3 2 2 2 2 2 3 5
21 22 23 24 25 26 27 28 29 30	3 2 2 2 2 3 4 2 2 3	3 2 2 2 3 3 2 2 3	4 2 2 2 3 3 2 2 2 2	3 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 3 3 2 2 2 2	3 2 1 2 2 3 4 2 2 2	4 3 2 2 3 5 6 2 3 3	5 5 2 2 3 6 6 2 3 3	5522354223	4 4 2 2 2 3 4 2 4	4 4 2 2 3 3 4 2 2 3	3 3 3 3 3 3 2 2 3	4 3 3 4 3 3 2 2	4 2 3 4 3 2 2 3	4 2 3 3 3 4 2 2 3	4 2 3 3 4 3 2 2 3	4 2 3 2 4 4 2 2 3	5 2 3 2 4 4 4 2 2 3	4 2 3 4 4 2 2 3	3 2 2 2 4 4 3 2 2 4	5 2 2 2 3 5 3 2 2 4	5 2 2 2 4 5 3 2 2 4	2 2 2 4 4 3 2 2 4	2 2 2 4 4 2 2 2 4	4 3 2 2 3 4 4 2 2 3
MEAN	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.6

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - JUL 77 HOUR 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 2235646122 11 12 13 14 15 16 17 18 19 20 45-3522353 3 4 1 3 4 5524542535 3422453 21 22 23 24 25 26 27 28 29 30 6 5 4 3 3 3 3 3 3 2 2 22223 2 31 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 5 3

3 3

PERCENTAGE OF DATA VALID - 96.1

2 2 2 3 3

MEAN

PERCENTAGE OF DATA INVALID - 0.7

3 3 3

PERCENTAGE OF DATA UNAVAILABLE - 3.2

3

3 3 3 2.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- C	ARBO	N MONO	XIDE							1	UNITS	- PAF	RTS/M	ILLIO	v.							
	STA	TION -	C	NO	34007		BATHUR	ST/WI	LSON.	NORT	H Y0	RK				MON		AUG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	2 2 2 2 2 2 5 1	2 2 2 2 2 3 2	2 2 1 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	233422232	2 4 5 5 3 2 2 3 2	24556223	2 3 4 5 6 2 2	3 3 4 2 3 4	24334234	2 4 3 3 2 2 3 5	3 3 3 2 2 3 5	2 3 3 2 2 2 3 5	2 3 4 2 2 2 3 5	2 4 5 3 2 2 3 5	24533234	24533244	2 4 5 4 3 2 5 5	2 3 5 4 5 2 5 5	3 4 3 5 2 6 4	3 3 3 2 5 2 6 2	3 4 3 3 2 6	2 2 4 2 2 2 6 2	2 3 3 3 3 2 3
10 11 12	3	2	2	2	3	3 4	6 6	6	3 4 4	3	3	3 4 2	3	3	4 3 3	4 5 3	5 6 3	5 3 3	3	4 3	4	4	4	3	3
13 14 15 16 17 18 19	2 2 2 2 1 2 2	2 2 2 2 1 2 2 2	2 2 2 2 1 2 2	2 2 2 1 2 2	2 2 2 2 1 3 2	2 3 2 3 2 2 4 2	3 4 2 3 5 2 2 5 2	3 4 2 3 5 2 2 6 2	2 3 2 2 5 2 2 5 2	232242142	242242142	2 2 2 4 2 2 3 2	3 3 2 2 4 2 2 4 2	3 2 2 4 2 2 4 2	3332 4 2 2 4 2	3342242252	3332252243	3332242223	3 4 2 2 3 2 2 2 2 3	3342232223	2342232223	3 4 4 3 2 3 1 2 2 3	3 5 4 3 2 2 1 3 2 3	3 3 3 3 2 2 1 2 2 3	3 3 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 3 2 3 2 3 2 2 3 2 3 2 3 2 3 2 2 3 2 2 3 2 3 2 3 2 2 3 2
21 22 23 24 25 26 27 28 29 30	3 2 2 1 2 7 6 3 3 2 2	3 2 2 1 2 6 5 2 2 2 2 2	2 2 1 2 5 4 3 2 2 2	3 1 1 1 2 5 3 2 2 2 2 1	3 1 1 1 2 4 4 3 3 3 2 2	3 2 1 2 2 6 4 3 5 2 3	3 2 2 3 8 5 2 5 3	3 2 2 3 3 8 4 3 6 2 4	3 2 2 3 2 5 5 5 2 3	3 1 1 2 2 3 4 2 3 ***	3 2 1 2 2 4 5 3 3	3 2 1 2 2 4 5 3 2 3	3212255324	3 2 1 2 2 5 4 3 2 4	3 2 1 2 3 6 4 3 2 4	3 2 2 2 4 6 4 3 2 5	3 2 2 4 6 4 3 2 4	3 2 2 4 5 3 4 2 4	4 2 2 2 4 4 5 4 2	4 2 2 4 5 4 5 2 4	3 2 2 2 5 5 5 5 5 2 3	3 2 3 5 5 4 5 2 3	3 3 2 2 4 6 4 4 2 3	3 2 2 2 4 6 4 3 2 3	3 2 2 2 3 5 4 3 3 3 3
MEAN	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	5 3	3	4 3	5 3	5 3	4 3	3	3	3	3 2.9

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	. с	NO.	34007	В	SATHUR	ST/WI	LSON,	NORT	H Y01	RK.				MON	TH - 1	VOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	2	2	2	2	2	2	4	7	5	4	4	4	3	4	4	5	6	7	6	5	5	5	4	3	
2	2	2	2	2	2	3	4	8	9	5	4	4	4	4	5	5	6	7	6	5	2	7	7	4	- 3
3	3	3	3	2	3	3	5	8	5 9 8	7	5	5	4	4	5 5	6	5	7	8	8	5	6	6	5	2
4	4	4	5	5	4	5	5	5	4	3	3	2	2	2	2	3	3	3	3	3	2	2	2	2	3
5 6	2 3 2 2 2	2	2	2	2	2		3	3	3	3	3	3	4	4	3	4	4	3	3	3	2	2	5	3
6	3	3	2	2	2	2 2 2	2	2	3	3	3	3	4	4	5	4	4	4	4	4	3	3	3	3	3
7	2	2	2	2	2	2	3	4	4	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
8 9	2	2	2	2	2	2	2 3 3	4	5	4	4	3	3	4	4	4	5	5	3	3	2	3	3	3	3
9	2	2	2	2	2	2	3	5	6	5	4	4		4	4	4	5	5	4	4	3	3	š	2	3
10	2	2	2	2	2	2	4	6	В	6	2	3	2	3	3	3	3	3	3	3	2	2	2	2	3
11	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2 2	2	2	1	1	2 2 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2		2	1	1	2		4	6	6	4	3	2			3	5	3	4	4	3	4	3	3	3
15	3	2	3	3	3	3	4	6		6	4	4	5	_		4	5	6	4	3	3	3	3	3	4
16	3	2	2	2	2	2	4	€	5	5	4	4	4	5 2 2	5	6	7	6	4	4	4	4	4	4	4
1.7	3	3	2	2	2	3	3	4	4	4	3	3	3	5	4	5	3	3	3	3	2	3	3	3	3
18	3	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	3	4	3	3	2	2	2	2	2
19	2	2	2	2	2	2	2	3	3	3	2	2	2		2	2	2	2	3	3	3	3	3	3	2
20	5	5	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	3	3	3	3
21	2	2	2	2	2	2	3	4	6	3	2	2	2	2	2	2	3	3	2	3	2	2	2	2	2
22	3	2	2	2	2	2	3	4	4	3	2	2	2	• • • •	2	2	3	4	3	3	4	4	4	3	3
23	3	2	2	2	2	2	4	5	4	3	3	3	2	4	4	5	7	6	4	4	4	3	2	2	3
24	2	2	2	2	2	2	3	4	4	3	3	3	2	2	3	2	3	3	2	3	3	2	2		3
25	2	2	2	2	2	2	3	6	7	4	3	3	3	• • • •	4	4	5	4	3	4	3	3	2	2	3
26	3	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
27	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	2	2	3	2	2	2
22 23 24 25 26 27 28 29 30	2	2	2	2	2	2	3	3	4	6	4	3	2	3	2	2	2	4	3	2	2	2	2	2	3
29	2	2	2	2	2	2	3	4	6	5	3	3	4	4	4	5	6	6	5	4	5	3	4	6	4
30	6	5	3	3	3	3	3	7	9	6	5	4	4	4	5	5	6	6	4	4	3	3	3	3	4
MEAN	3	2	2	2	2	2	3	4	5	4	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - DEC 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 20 4 2 3 2 2 2 2 3 3 3 3 3 3 3 21 22 23 24 25 26 27 28 29 2 2 2 3 3 3 1 3 3 4 1 2 2 3 4 1 2 3 4 31 4 3 2 2 2 2 3 3 2 2 2 MEAN 2 2 2 2 3 3 3 3 3 3 3 2.7

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION

	STA	TION	- с	NO :	35003		LMCRE	ST RC	AD,	ETOBIC	OKE					MON	гн - ,	JAN	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN	
1	1	1	,	1	,	1	24/		1																	
2	1	1	1	1			- 1			- 1			- 3	1	1	1	1	1	1	1	1	1	1	1	1	
3	1	1	,	1	ì	•							- 3	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	- 1	1	- 1		- 6			į.	- 4	7	- 1	1	1	1	1	1	1	1		1	1	1	1	
5	2	1	,	- 1			4		1	- 5	1	- 3	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	1	1		- 1	;			2	2	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	
7	i	1	- 1	- 1					1	5		2	- 1	. 1	1	1		2	2	1	1	,	1	1	2	
Ř	1		- 1	- 1	- 2	- 2	1				- 1	1	1	* * • •	1	1	. 1	1	1	1	1	1	1	1	1	
9				- 1		1	1.	1.	2	2	1	4	- 1	1	1	1	1	1	1	1	1	1	1	1	1	
10	i	1				1	1	1	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	2.5	3.0				-1	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ï	1	-1	1	1	1	1	1		
1.2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	- 1	1	1	1	1	1	1	1	1	ò		
1.3	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	i				1	1	1	
14	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	2	2	2	3	3		3	2	2	2	
15	2	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	7	ő	ō	ō	ī	
16	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	o	o	o	ò	0	ŏ	ő	ò	
17	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	ĭ	1	1	ő	ŏ	0	0	1	1		
18	1	1	1	1	0	O	1	1	2	1	1	1	1	• • • •	- 1	- 1	1	- 1	1	1		1	:	÷	0	
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	î	- 1		1	1		- :	:			
20	1	1	1	1	1	1	1	1	1	1	4	1	1	1	i	1	1		1	1	í	1	i	,	1	
21	1	1	1	1	1	,	1	1	1	4	1	1	1	1					72							
21 22 23 24 25 26 27 28 29	1	1	1	1	1	1	0	ò	- Ç	4	- 4				1	- 1	- 4	1	1	1	,	1	1	1	1	
23	1	1	1	11	1	1	ĭ	1	- 1	- 1	- 1	- 1	-		1	- 1	1	1	1	1		- 1			1	
24	3	ĭ	1	1	1	1	1	- 1	2	2	•		- 4	3	- 1	- 1		2	2	1	1	1.	1	1	1	
25	1	1	1	1	1	1	1	1	2	7	•					- 1	1	- 2		2	2	2	1		- 1	
26	,	1	1	1	4	1	1	- 1	7	4		- 1			1	- !		1	1	1	1	1	1	1		
27	1	1	1	1	4	1	1	- 1	- 1	4	- 1			- 1	1	- 1	1		1	1	1	1			1	
28	î	1	1	1	1		1	2	2	2	4			- 1		- 1	1	1	1	1	1	. 1	- 1	- 1		
29	1	1	1	1	1	1	1	1	-	î				- 1	1	- 1	1	1	1	1	1	1		1		
30	1	î	1	1	1	1	1	1	1	í	1	i	1	- 1	1	1	1	1	1	1	1	1		- 1	1	
31	0	0	0	1	1	1	1	1	1	1	1	1	1	1	,		1			1	1	1	0	0	,	
MEAN	1	1	i	1	1	1	17	1	1	1	1	1	1	1	i	,	1	1	1	1	,	1	1	1	1.0	

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. . INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 0	ARBO	MONO	XIDE								UNITS	- PA	RTS/M	ILLION	v							
	STA	TION -	С	NO :	35003		ELMCRE	ST RO	AD.	ETOBIC	OKE					MON	TH - F	FEB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	0 1 1 1 0 0 0	0 1 1 1 0 0 0	0 1 1 0 0 0 0 0 1	0 1 1 0 0 0 0 0 0 1	0 1 1 0 0 0 0 0 0 1	0 1 1 0 0 0 0 1 1	0 1 1 0 0 0 1 1 1 1	1 1 0 0 0 2 1	1 2 2 0 0 0 2 1	1 1 0 0 0 1 1	1 1 1 0 0 0	1 1 0 0 0 1 1	1 1 0 0 0 1 1	1 1 0 0 0 1 1	1 1 0 0 0 1	1 1 1 0 0	1 1 1 0 0 1 1 1	1 1 1 0 0	1 1 1 0 0 1 1 1 1	1 1 0 0 1 1 2	1 1 0 0 1 1 1 1	1 1 1 0 0 2 1 1	1 1 0 0 0 1 1 1 1	1 1 0 0 0	000
10 11 12	2	2	1	1	!	1	!	1	1	1	1	1	1	1	1	1	1	2 1	2 1	1	1	1	1	2	1
13 14 15 16	0	1 0 1	1 0 1	1 0 1	0 1	0	0	1	1	1 0 1	1 0 1	0	1 1 1	!	0	0	1 0 1 1	1 1 1	1 0 1	0	0	0	1 0 1	1 0 1	!
17 18 19 20	1	1 1	1 1 1	1 1 1		1	1	1 2 1	1 3 1	1 2 1	1 2 1	1 2 1	1 2 1	1 2 1 1	1 2 1	1 1 1	1 2 1	1 2 1	; 1 1	1	1 1 1	1	1	1	i ! !
21 22 23 24 25 26 27 28	0 0 2 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	1 1 1 1 1 1 1	1 1 1 1 1 2	1 1 1 1 1 1 2	1 1 1 1 1 1 1	1 1 1 1 1 1 2	1 1 1 1 2 1	1 1 1 3	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1	1 1 2 1 1 1 1 1 1	1 2 1 1 1 1	1 2 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	1	1 2 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MEAN	i	1	1	,	1	1	,	1	1	1	1	,	,	1	1	1	1	1	1.00	1	1	1	1	1	

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POL	LUTANT	- 0	ARBO	N MONO	XIDE								UNITS	- PAI	RTS/M	ILLIO	N							
	STA	TION -	С	NO	35003		ELMCRES	T	ROAD.	ETOBI	COKE						TH - 1		77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7	1 0 2 1 2 0	1 0 1 1 2 0	0 0 0 1 0 0 0	0 0 1 0 1 0	0 0 0 0	0 0 1 1 0 0 0	0 1 1 1 1 2 2	0 1 0 1 2 1	1 0 1 1 1	1 0 1 0	1 0 1 1 0	1 1 1 1 1 1	1	1 1 1 1 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	2 1 1 2 1	1 1 1 2	1 1 1 1 1 1 1	1 1 1 1	1 1 1 2 1	1 1 1 2 0	1 1 1 2	1 1 2 1 2 0	1 1 1 1 1 1
, 8 9 10	0 1 .	!	1	1	1	1 1 .	1	1	0 1 1 -		0 1 1	0 1 1	1	1 0 1 1	1 0 1	1 0 1 1	0 1 1	0 0 1 1	0	0 1 1	1	1	1	1	
12 13 14 15 16 17 18 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 0 1 1 0 0 0 0	1 1 0 1 1 0 0 0	1 1 0 0 0 0	1 1 1 1 1 0 0 0	1 0 3 1 0 0 1	1 2 1 0 0 1	2 1 1 3 1 0 0 1	2 1 1 1 2 1 0 0	2 1 1 2 1 0 0 1	1 1 2 1 0 0 2	3 2 1 1 2	3 2 2 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 1 1 1	3 2 1 1 1 2 1 1 1 2	3 2 1 1 2 2 1 1 2 2	3 2 1 1 2 1 0 1 2	2 2 1 0 1 2	2 1 1 2 2 1 0 1 2	2 2 1 1 2 1 1 0 1 2	2 1 1 2 1 1 0 1 2	2 1 1 1 2 1 0 1 2	2 1 1 1 2 1 0 1 2	2 2 1 1 1 2 1 0
21 22 23 24 25 26 27 28 29 30	2 2 1 2 2 1 1 2 1 1	2	2 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 3	2 1 1 1 1 1 1 1 2	2 1 1 1 1 1 1 1	2 1 2 1 1 1 1 1 2	2 1 1 2 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 2 1 1	2 1 1 1 2 1 1 1	1 2 1 2 1 2 1 2	1 1 2 1 2 1 2 1 2	2 1 2 2 3 1 2	2 1 1 1 2 2 3 2 2	2 1 1 1 2 3 3 2 2	1 1 3 1 1 3 2 2 2 2	1 1 2 1 2 2 2	1 1 2 2 1 2 2 2	1 1 2 1 2 2 2	2 1 1 1 1 1 2 1 2 1 2
31 MEAN	1	1	1	1	1	1	1	1	2 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 97.3 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 0	ARBO	ON MONO	XIDE							)	UNITS	- PA	RTS/M	1110	N							
	STA	TION -	C	NO	35003		ELMCRES	ST RO	DAD,	ETOBLO	COKE					MON	тн - ,	JUN	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2	1	1	1	1	0	1	1	1	2	1	0	,	1	1	1	4	1	1	1	1	4	1	1	1	i
5		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	59	1	1	1	î
3	- 3	3	1	G	0	- 1	1	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	- 1
2			1	- 1		1	1	1	1	1	1	1	1	1	1	-1	•	1	2	2	2	1	1	2	1
2		1	2	7		1	1	1	1	1	1	,	1	1	1	1		1	1	1	1	1	1	1	1
2	- 4	1	1		1	- 1	1	2	2	1	1	1	1	1	- 1	1	1	1	1	1	1	1	1	0	1
é		1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	4	1	0	0	1	1	1	- 1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	1	i
10		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	ાં
1.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2		1	1	1	
12	1	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 7		1	1	1	
13		1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	9	1	- 1	1	i	- 4
14	- 1	1	1	1	1	1	3	1	1	1	1	1	1		1	2	2	2	2	2	- 4	1	1	i	- 1
15	1	1	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	- 1	7	•	,	2	,	
16	2	3	2	2	2	1	4	2	2	1	1	1	1	1	1	1	1	2	2	9	2	1	- 7	2	9
17	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	7	7	5	2	,	2	7
18	- 1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1		i	4	- 7	7	- 7	•	
15 16 17 18 19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		- 1	- 4		- 1		- 1	
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	i	i	i	i	i	i	1
21 22 23 24 25 26 27 28 29	1	1	1	1	,	1	2	1	1	1	1	1	Ŷ	i	1	1	1			•					
22	1	1	1		1	1	1	1	1	1	1	1	1	1	•	1	1	- 1	,			,	•	2	
23	1	1	1	- 1	1	11	2	2	2	1	1	1	1	1	•	2	2	2	;	- 2		•	•	5	341
24	2	2	2	- 1	1	1	3	3	2	2	1	î	1	1	2	5	5	-	-	•		- 1	- 1	•	-
25	1	2	2	- 1	1	-1	1	1	1	1	1	i	1	1	2	ī	- 7	- 7	- ;	- 4		- 1		- 1	:
26	1	1	1	3	1	1	1	1	1	1	1		1	4	2	,	2	2	2	2	3	2	2	2	- 1
27	2	2	1	1	1	2	2	2	2	2	2	2	2	ż	2	5	5	5	3	3	3	2	2	2	1
28	2	2	2	2	2	2	3	2	2	2	1	- 7	- 7			5	2	5	2	3	3	- 1	1	1	2
29	1	1	1	1	1	1	1	1	- 1	ī	î	,	4	5	•	î	- 7	-		7	*		- 1		2
30	1	1	1	,	1	1	1	2	2	2	2	2	1	1	i	ń	- i	i	i	- i	i	1	i	i	1
MEAN	1	1	1	İ	11	1	1	1	1	1	1	1	1	1	1	1	,	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

1 1 1

PERCENTAGE OF DATA VALID - 97.8

2

MEAN

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.0

2 2 2

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

2 2 2

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	POLLUTANT - CARBON MONDXIDE													5 · P	ARTS/	MILLI	ON								
	S	STATION -			3500	35003		ELMCREST ROAD,		ETOBICOKE							MONTH - OCT									
DAY	1	2		3 4	5	6	7	8	9	10	11	12	13	14	15			18	19	20	21	22	23	24	MEAN	
1 2 3 4	1 1 0	1	1	1 1	1 1 1	1 1 1	1 1 1	1 1 1 1	1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1	;	1	1 1	1 1 1 2	1 1	1	;	1	!	1	
5 6 7 8 9	1	1 1 1	1	1 1	1 1 1 1 1 1	1 1 2 1 1	2 2 1 1	1 1 2 1 1	****	1	1 1 1 1	1 1 1 1	1 1 1	1 1 1	1 1 1	1	1 1 1 1 1	1 1 1 2	1	1 1 1	1	1	1	1 1 1 1 1 1	1	
11 12 13 14 15 16 17 18 19	2 1 1 2 2 1 1 1 2 3	2 1 1 2 2 1 1 2 3 2	3 1 1 2 2 1 2 2 2 2	1 1 1 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2	2 1 1 3	3 2 1	2 1 3 4 3 1 2 4 4 3	1 4 5 3 1 2 3 5 3	1 1 4 3 1 1 2 4	2132211232	2122211233	1 1 2 3 2 1 1 2 2 2	2 1 2 2 1 1 1 2 2 2	1 1 2 2 2 1 1 2 2	2	3 1 2 2	1 1 2 2 2 1 2 3 2	2 2 2 2 2 2 3 2 2 3 2	2 1 1 2 2 3 1 2 3 2	2 1 1 2 2 2 1 2 3 2	1 1 2 2 2 1 2 4 2	2 1 2 2 3 2 1 2 4 2	2 1 2 2 3 1 1 2 4 2	1 1 2 3 1 1 2 4 2		
21 22 23		****	••••	••••	••••	••••	••••		••••		••••		DATA DATA		1	1	2	2	2	2	2	2	••••	••••	******	
24 25 26 27 28 29	3 2 2 1 1	3 2 2 1 1	3 2 2 1 1	2		2 2 1 1 2	4 4 3 2 1 2	6 7 4 4 2	7 6 4 2 2	6 3 2 2 2	5 2 3 1	4 1 2 2 2 2	2 2 1 2 1	2 1 2 1 2 2 2	2 1 2 1 2	2 3 1 2 1	3 1 3 2 2	3 1 3 1 2	2 3 2 2 2 3	2 3 2 3 2 3	2 3 2 2 2 3	2 3 2 1 1 3	3 2 2 1 1 3	2 2 1 1 3	1 2	
31 MEAN	2	2	2	•	9.00	1 2	2	2	2 2	2 2	2	2	2	2 1	2	2 2	2 2	3	3 2	3 3	2 2	2	2 2	3 2 2	2	

PERCENTAGE OF DATA VALID - 87.6

PERCENTAGE OF DATA INVALID - 12.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

  2. \*-\* INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

ELMCREST ROAD, ETOBICOKE

POLLUTANT - CARBON MONOXIDE

STATION C NO 35003

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

a management	C		UNITS - PARTS/MILLION	
STATION -	C NO 35003 ELMCREST ROAL	D. ETOBICOKE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.0	2	5
FEB	28	0.9	1	3
MAR	31	1.0	2	6
APR	30	0.9	2	4
MAY	30	1,1	2	3
JUN	30	1.2	2	4
JUL	31	1.2	2	4
AUG	31	0.9	2	5
SEP	30	1.5	3	6
OCT	26	1.7	3	7
NOV	30	2.1	3	6
DEC	31	2.1	4	10
YEAR	359	1.3	4	10

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - PARTS/MILLION

2.9

3.5

ARITH MEAN

1.3

MONTH 00 TO 01 02 TO 03 04 TO 08 09 TO 13 14 TO 30 31 80VER JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC YEAR FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT CONCENTRATIONS OF DATA MIN 10 30 VALID MAX 

97.8 0 0.0 0.3 0.7 1.0 1.8 2.0

UNITS - PARTS/MILLION POLLUTANT - CARBON MONOXIDE MONTH - JAN EVANS/ARNOLD AVE, ETOBICOKE STATION - C NO 35033 77 10 13 14 15 16 17 20 21 22 23 24 MEAN HOUR 9 12 DAY 2247 10 11 12 13 14 15 16 17 18 23 2 2 2 5 2442 2 2 2 212 2 2 2 20 0 21 22 23 24 25 26 27 28 29 30 20 2 2 2 2 \* 2 3 2 0 2 0 1 0 1 0 0 000 00 0000 0 0 2 0 31 2 2

PERCENTAGE OF DATA VALID - 99.2

1

MEAN

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

1.3

2 2 2 2

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION EVANS/ARNOLD AVE. ETOBICOKE STATION - C NO 35033 MONTH - FEB 77 10 11 12 13 17 20 21 22 23 24 MEAN 234567890 0 2 11 12 13 14 15 16 17 18 2 2 0 0 20 21 22 23 24 25 26 27 28 2 0 0 2 1 0 0 2 1 1.2 MEAN 2 2 2

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- \* INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	C	NO 3	35033	E	VANS/	ARNOL	D AVE	. ET	DBICON	ΚE.				MON	th - 1	MAR	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9 10	1 1 1 1 1 1 1 1 2	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 0 1 1 1	1 1 1 1 1 0 1 1	1 1 3 1 1 0 1 1	1 2 3 1 1 0 2 1	2 2 5 2 1 1 2 1	1 1 5 2 1 1 2 1 1	1 1 3 2 1 1 1 1	1 1 2 2 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1	1 1 2 1 1 1 1	1 1 1 2 1 1 1 1	1 2 2 2 1 1 1 1 1 1 1 1	1 2 3 3 1 1 2 2 1 2	2 2 3 2 1 1 2 2 1 2	1 2 1 2 1 1 1 2 1 3	1 2 1 1 1 1 1 1 1	1 2 1 1 1 1 1 5	1 2 1 1 1 1 1 1 6	1 2 1 1 1 1 1 1 6	1 2 1 1 1 2 1 5	1 1 2 2 1 1 1 1
11 12 13 14 15 16 17 18 19	7 2 1 1 2 2 1 2 2 3	9 1 1 2 2 1 2 2 5	6 1 1 1 2 1 1 2 2 4	4 1 1 1 2 1 1 1 1 3	2 1 1 2 1 1 1 1 1 1 1	2 3 1 1 2 1 1 1 2	4 4 1 2 3 1 1 1 2	6 2 1 3 5 2 1 2 1	7 3 1 3 5 1 2 1 2	5 2 1 2 2 1 1 2 2 1	2 2 1 2 2 2 1	2 2 1 2 2 2 2 2 2 1	2 2 2 2 2 2 2 2 2	2 2 **** 2 **** 2 2 2 2 2	2 2 1 2 2 2 2 2 2 2 2	2 2 1 2 3 2 2 2 2 3	2 2 2 3 3 3 3 2 2	2 2 1 2 3 2 2 2 2 2	2 2 2 2 2 2 2 1	2 2 2 3 2 2 2 1 2 1	2 2 2 3 1 1 2 1 2 1	1 1 2 3 1 1 2 1	1 1 4 3 2 1 2 1 2 1	1 1 4 2 2 1 2 1 2	3 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
21 22 23 24 25 26 27 28 29	1 2 1 1 1 2 2 2	1 1 1 1 1 3 3 2 2 2	1 1 0 1 1 2 2 2 2 2	1 1 0 1 1 2 1 2 3	1 1 0 1 1 3 2 2 3	1 1 0 1 1 3 2 3 2	2 2 1 1 1 2 2 2 3	3 2 3 1 2 1 2 3 3 5	3 2 3 1 2 1 2 3 3 2	2 2 2 1 1 2 2 2 2 2	2 2 2 1 1 2 2 2 2 2	2 2 2 1 1 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2	2 1 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 3 2 1	3 2 2 1 2 2 2 4 2 2	3 2 2 1 2 2 2 4 2 2	2 1 2 1 2 2 3 4 2	3 1 1 1 2 3 3 3 2 2	2 1 1 2 2 2 2 2 2 2 2	2 1 1 1 2 3 2 2 2 2	2 1 1 1 2 3 2 3 2	2 1 0 1 1 2 3 2 6 2	2 2 2 1 1 2 2 2 2 2 2
31 MEAN	2	1 2	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2 2	2	2	1	1	1 2	1	1	1

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANI	r - (	CARBON	MONO	XIDE							1	JNITS	- PA	RTS/MI	LLION	ŧ							
	STA	TION .	c	NO 3	35033	E	VANS/	ARNOLD	AVE	ETO.	BICO	KE				MONT	гн - д	PR	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1.9	20	21	22	23	24 ME	EAN
1 2 3 4 5 6 7 8 9	1 2 3 2 1 1 1 1 1	1 1 2 2 2 2 1 1 1 1	1 1 2 2 2 1 1 1 1	1 1 2 2 2 1 1 1 1 1 1	1 1 1 2 1 1 1 1	1 1 2 2 1 1 1 1	2 1 1 2 2 1 1 1 1 1 1 1	2 1 1 2 3 2 2 1 1	2 2 1 2 2 2 1 1 1 1	2 1 2 2 2 2 1 1 1	2 2 1 1 2 2 1 1 1	2 1 1 2 2 • * * * * 1 1	2 2 1 2 2 1 1 1	2 2 2 2 2 1 1 1	2 2 2 2 2 1 1 1	2 2 2 2 2 1 1	2 2 3 2 2 1 1 1	2 2 2 2 2 1 1	1 3 2 2 2 2 2 1 1	1 2 3 2 2 2 1 1 1	1 3 2 2 2 2 1 1	1 3 2 2 2 2 1 1	1 2 3 2 2 2 1 1 1 1	1 2 3 2 2 2 1 1 1 1	2 2 2 2 2 1 1
11 12 13 14 15 16 17 18 19	1 3 2 1 1 2 5 2 5	1 2 2 1 1 1 2 4 2 5	1 2 2 1 1 2 3 2 5	1 2 2 1 1 1 3 2 3	1 2 2 1 1 1 2 2 2 2	1 2 2 1 1 1 1 2 3 2	1 3 2 1 1 1 3 4 3	1 4 2 1 2 1 1 4 4 3	1 3 2 1 3 1 5 3 3	1 * 3 2 1 2 1 1 5 2 3	3 2 1 2 1 1 3 2 3	2 2 1 2 1 1 1 ****	3 2 1 1 2 1 1 2 2 2	3 2 1 1 2 1 1 2 2 2	2 2 1 1 2 1 1 2 2 2 2	2 2 1 1 2 1 1 3 2 2	2 2 2 2 1 1 4 3 2	2 2 2 2 1 1 4 2 2	2 1 2 2 2 2 2 3 2 2	2 2 1 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	2312224232	2 3 1 2 2 5 2 5	2 2 2 1 2 2 3 2 3
21 22 23 24 25 26 27 28 29	3 2 1 1 3 3 2 2 2	3 2 1 1 1 2 2 2 1 2	2 1 1 1 2 2 1 2	2 1 1 1 2 1 1 2	2 1 1 1 1 2 1 1 2	2 1 1 1 2 2 1 2 3	2 1 1 2 2 3 2 3 2	2 1 1 3 2 3 2 3 2	3 2 1 1 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	2 2 1 2 1 2 2 2 2 2 2	2 2 2 2 2 2 2	1 3 2 1 1 2 2 2 2 2 2 2	2 3 2 1 1 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2	3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 2 1 2 2 2 2 2 2 2 2	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	522222222	3 2 1 1 2 2 2 2 3 2	2 2 1 1 2 2 2 2 3 2	2 1 1 2 3 2 2 3 2 2	2 2 1 1 2 2 2 2 2 2 2 2
MEAN	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION -	C	NO 3	35033	E	VANS/	ARNOLI	D AVE	. ETC	BICO	KE				MONT	гн - ,	JUL	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	2 1 2 2 1 1 2 4 2	1 1 2 1 1 1 1 2 3 2	1 1 2 1 1 1 1 1 2 2 2	1 3 1 2 1 1 1 2	1 1 3 1 2 2 1 2 2	1 1 2 2 2 2 2 2 3 2 2 2	1 1 2 4 3 3 2 3 2 1	1 1 2 3 4 2 4 2	1 1 2 2 2 2 3 2 2 1 1	1 1 1 2 3 2 2 2 1	1 1 2 2 2 1 2 1 1	1 1 2 2 2 2 2 2 2 2 1	1 1 2 2 2 2 2 2 1 1	1 1 2 2 2 2 2 2 1 1 1	1 1 2 2 2 2 4 2 1 1	1 1 2 2 2 3 4 3 1 1	1 2 1 2 2 4 2 1 1	1 1 2 2 4 2 1 1	1 1 2 2 1 3 2 1	1 2 2 3 2 2 2 1 1	1 1 2 2 2 1 2 3 1 2	1 1 2 2 1 3 2 1 3	1 2 1 2 1 3 5 1 3	1 2 2 2 1 1 3 4 1	1 1 2 2 2 2 2 2 2 2 2 2 1	
11 12 13 14 15 16 17 18 19	1 1 2 1 1 2 2 2	2 1 1 1 1 1 1 1 1 1 1 1	2 3 1 1 1 1 1 1 1 2	1 2 1 1 0 1 1 1 1 2	1 1 1 1 1 1 1	2 2 2 2 1 2 1 2	2 3 2 2 2 2 3 2 6	2 2 3 1 1 2 4 2 4	2 2 2 2 1 1 2 3 2 2	2 2 1 2 1 1 3 2 2	2 2 1 2 1 1 2 2 2 2 2	2 1 1 1 1 2 2 2 2	2 2 1 1 1 1 2 2 2 2 2	2 2 2  1 1 2 2 2 2	2 2 2 1 1 2 2 2 2 2	2 2 3 2 1 1 2 2 2	2 2 2 2 2 1 1 2 2 2	2 1 1 1 1 2 2 1 2	2 2 1 1 2 1 2 2 1 2	2 1 1 2 1 2 2 2 2 2	2 2 1 1 2 2 2 2 2	1 2 2 1 0 1 2 2 3	1 2 1 2 0 1 2 2 3 2	1 1 2 1 1 1 2 2 2	2 2 1 2 1 1 2 2 2 2 2 2	
21 22 23 24 25 26 27 28 29	1 0 1 0 0 1 1 2 3 2	1 0 0 0 1 1 1 1 2 3	1 0 0 0 1 1 1 1 1 2 1	1 0 0 1 0 1 1 2 3	1 0 0 1 0 2 1 2 2 1	1 1 1 1 2 2 2 2	2 1 0 2 3 3 5 3	2 1 1 2 2 3 3 3	2 1 1 1 2 3 2 2 1	2 1 1 2 2 1 2 4 4 4 4 4 1	2 1 1 2 2 2 1	2 1 1 2 1 1 2 1	2 1 1 1 2 1 1 2 1	2 1 1 1 2 1 1 2 2 1	2 1 1 2 1 2 3 1	2 1 1 1 2 1 1 2 3 1	2 1 1 1 2 1 1 2 1	1 1 2 2 1 1 1 2	1 1 2 1 1 2 2	1 1 2 2 1 1 1 2 2	1 1 1 2 1 1 2 2	1 1 1 2 2 2 2 2 2 2 2	1 0 1 2 2 2 2 2 2 2	1 1 0 1 2 2 2 2 2 2 2 2	1 1 1 2 1 1 2 2 1	
31	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	****	2	2	3	3	2	1	2	
MEAN	1.	1	i	1	1	2	2	2	2	2	2	1	2	2	2	2	2	1	1	2	2	2	2	2	1.6	

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- c	ARBON	MONO)	CIDE							1	UNITS	- PA	RTS/M	ILLION	1							
	STA	TION -	С	NO 3	5033	Ε	VANS/	ARNO	LD AV	E, ET	овісо	ΚE				MON	тн - ,	LUG	77						
HOUR DAY	4	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	1 1 1 1 1 3 1 1	1 1 1 2 1 1 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1	1 2 1 2 1 1 1 2 1	1 2 2 3 2 1 1 3 2 2	1 2 2 4 4 1 1 4 3 2	1 3 3	2 2 1 1 2 3	1 **** 2 2 **** 1 1 **** 2	1 2 2 2 2 2 1 + * * * 2 2	1 2 2 2 1 1 2 1 2	1 2 2 2 1 1 1 3 2 2	1 2 2 1 1 3 2 2	1 1 2 2 2 1 1 3 2 2	1 2 2 2 2 1 1 3 2 3	1 1 2 2 2 1 1 2 2 2	1 1 2 2 2 1 1 2 2 2 2	1 2 2 2 2 1 1 2 1 3	1 1 2 2 2 2 1 3 1 2	2 2 2 2 1 4 1 3	1 2 2 2 2 2 2 2 2 3	2 1 3 1 2 3 2 1 2	1 2 1 1 2 2 2 1 2	1 2 2 2 1 1 2 2 2
11 12 13 14 15 16 17 18 19	1 2 2 1 2 2 1 1 2 2	1 2 2 2 2 2 2 2 1 1 2	1 2 2 2 2 2 2 1 2 1	1 2 2 2 2 2 1 2 1	1 2 2 2 2 2 2 2 1 2	2 3 2 1 3 2 2 1 3 2 2	3 4 2 2 4 3 2 2 5 2	3 4 2 1 4 4 2 2 5 2	2 2 2 3 3 2 2 2	2 2 2 2 2 1 1 1 3 2	2 2 2 2 2 2 **** 1 1 2	2 2 1 2 2 2 1 1 1 2	2 2 2 2 2 1 1 2	2 2 2 2 1 1 2 1	3 2 2 2 2 2 2 2 2 2 2 2 2 2 1	3 2 1 2 2 2 2 2 2 2 1	3 2 2 2 2 2 2 2 1	2 2 1 1 2 1	2 1 2 2 2 1 1 2	2 1 2 2 2 2 2 1 2	2 3 2 2 1 2 2 1	2 3 2 2 1 2 2 1	2 2 3 2 1 2 2 1	2 2 2 3 2 1 2 2 1	2 2 2 2 1 1 2 1
21 22 23 24 25 26 27 28 29 30	2 1 2 2 2 3 4 2 2 2	2 2 2 2 4 2 2 2	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 1 1 2 2 3 2 2 2 2 2 2	2 1 1 2 2 4 2 2 2 2 2	2 2 2 2 2 2 5 2 2 2 2 3	2 3 3 4 6 2 2 3 4	2 3 3 3 5 2 2 3 4	2 2 2 .*** 3 .*** 3 2 3 3	2 **** 2 **** 3 2 2 2 2	2 2 2 2 2 3 2 2 2 2	2 2 2 2 2 2 2 3 2 2	2	1 2 2 2 2 2 2 1 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 1 3 2	1 2 2 2 2 2 2 1 3 3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2	2 2 2 3 2 3 2 2 4	2 2 2 2 2 2 2 2 2
31	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
MEAN	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 97.3 PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE MONTH - NOV

	314	LON		NO	35033		VANS/AR	NOLD A	VE. ET	OBICO	KE				ONTH	H - 1	VON	77						
DAY	1	2	3	4	5	6	7	8 9	10	11	12	13	14	15 1	6	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	2 1 2 1 2 2 2 2 2 2	2 1 2 1 2 2 2 2	2 1 2 2 2 1 2 1	2 2 2 2 2 2 1 2	1 2 1 2 2 2 2 2 2	2 2 2 2 2 1 1	3 1 2 2 2 2 2 2 2 2 2	3 3 4 4 3 3 5 5 5 2 2 2 2 3 3 2 2 3 2 3 2 2	3 2 2 2 2 3	2 2 2 2 3 3 2 3	2 2 2 2 2 3 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 3 3 2 2 1		2 3 2 2 3 3 3 3 2	3 4 2 2 3 3 3 2	4 2 4 2 2 2 3 3 3 2	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	322222222	2 1 2 2 2 1 2 2 2 2	2 1 2 2 2 2 2 2 2 2 2 2	3 1 2 2 2 2 2 2 2 2 2 2 2	212222222	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
11 12 13 14 15 16 17 18 19	1 1 1 2 2 1 2 2 2 2 3	1 1 2 1 2 2 2 4	1 1 1 1 3 1 2 2 2	1 1 1 3 1 2 1 2 2	1 1 1 3 1 2 1 2 2	1 1 2 2 1 2 1 2 2	1 1 3 2 2 2 2 2 2 2 2	2 2 1 1 1 1 5 5 6 5 6 2 2 4 4 4 3 3 3 2 2 2 1	2 1 1 3 4 2 3 2 2 2 2	1 1 1 2 2 1 3 2 2 2	1 1 1 2 2 3 2 2	2 2 2 2	1 2 3 3 2  2 2	1 2 2 3 3 3 3 2 2 2 2 2 2	2 2 2 3 2 3 2 2 2 2 2 2 2	2 2 3 3 4 3 3 2 2	2 2 2 4 3 3 3 3 3 3 3 3 3	2 1 2 4 2 3 2 2 3 2 2 3 2	2 1 2 3 2 2 2 2 3 2	1 1 2 2 2 2 2 2 2 3 2	2 1 2 3 2 2 2 2 3 2	2 1 2 2 1 2 2 2 3 2	2 1 2 2 1 3 2 2 3 2	1 1 2 3 3 2 2 2 2 2
21 22 23 24 25 26 27 28 29	2 2 2 2 1 1 1 2	1 2 3 2 2 2 1 1 1 2	1 1 2 2 2 2 2 1 1 1	1 1 2 2 2 2 2 0 1 1 4	1 1 2 2 2 2 2 0 1 1 2	1 1 2 2 2 2 1 0 2 1 2	2 2 2 2 1 0 3 ***	2 3 3 3 2 3 3 3 3 3 1 1 0 0 • • • • • • • • • • • • • • • • • •	3 2 3 2 1 0	2 3 2 3 2 1 0 3 3 3	2 3 2 3 2 1 1 2 2 4	2 2 3 2 1 1 2 2 3	2 2 2 1 1 2 2 3	2 2 2 2 2 1 1 2 3 3	2 2 3 2 3 1 1 3 3 3	3 6 3 5 1 1 3 4 4	3 4 3 3 1 1 3 4 3	3 3 3 2 1 1 3 3	2 2 2 1 1 2 3 3	2 2 2 1 1 2 3 2	2 2 2 1 1 1 2 2	2 5 2 2 1 1 1 2 2	2 3 2 2 2 0 1 2 2 3	2 3 2 2 2 1 1 2 2 3
MEAN	2	2	2	2	2	2	2	3 3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 35033 EVANS/ARNOLD AVE, ETOBICOKE MONTH - DEC 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 4 5 10 11 12 13 14 15 16 17 18 19 20 2 3 3 2 3 10 3 2 2 2 2 2748532 10 3 2 21 22 23 24 25 26 27 28 29 30 2 31 2 2 1 1 1 2 2 2 3 3 2 3 2 2 2 2 2 2 2 1 2 MEAN 2 2 2 2 2 2 3 3 3 3 3 3 2 2 3 3 2 2 2 2 2 2 2.3

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 44010 1298 REBECCA ST OAKVILLE MONTH - JAN 77 HOUR 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN o Ö 1 1 0 ···· 2 2 6 7 8 9 2 2 2 2 2 2 12 13 14 15 16 17 2 .... 22 23 24 25 26 27 28 29 30 DATA INVALID - DATA INVALID -.... .... 1 2 2 2 1 0 0 ..... 

PERCENTAGE OF DATA VALID - 86.7 PERCENTAGE OF DATA INVALID - 13.0 PERCENTAGE OF DATA UNAVAILABLE - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	Τ -	CARB	ON MO	DIXON	E							UNIT	<b>s</b> . p	ARTS/									
	ST	ATION		C NO	44010	)	1298	REBEC	CA 67	044	(VILLE														
		12							31	UA	VAILLE					MON	TH -	FEB	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0									
3		- 1	1	1	1	1	1	2	2	2	1	1	ĭ	ĭ	1	1	- 1		1	1	1	1	1	2	
3	1	1	1	1	1	1	1	2	2	2	3	3	1	- 1	- 1		- 4		2	2	2	2	2	2	1
2	1	1	1	1	1	1	1	1	2	1	1	1	ó	'n		- 1		1		- 1	1	1	1	,	1
5	- 3	1	1	0	0	0	0	0	1	1	1	,	- 7	ĭ	٠		- 1				1	1	1	1	1
6	1	1	1	1	1	11	1	1	1	1	1	,		- 4	- 3	- 1		1	1	1	1	1	,	- 1	1
7	2	2	1	1	1	- 1	2	4	3	2	î			- 4	- 1		- 3	1	1	1	1	1	1	1.	1
8	1	1	- 1		2	2	2	3	3	3	2	2	٠	2	1	1	1	2	2	2	2	2	2	- 1	2
9	1	1	3	1	1	1	1	2	2	ĭ	-			- 4	2	2	2	2	1	1	1	1	1	1	2
10	1	1	1		11	- 1	2	4	á	3	2	- :	- 2	- 1	1	1	1	2	3	3	2	1	2	1	1
							-	-			-	. 1	- 1	1	1	1	1	1	1	1	1	3	5	3	2
1.1	2	2	1	3	1	1.5		2	2																_
12								•	-					7 (0.00)					****	••••	••••				*****
13												-	DATA	INVAL	10 -										
14	****	*** *											DATA	INVAL	LID -										
15	1	1	1	1	1	1						••••	****		1	1	1	1	- 1	1	1	1	1	1	*****
16	1	1	- 1	1		· í		2		- 3	- 1	- 1		• • • •	1	1	1	1	- 1	1	1	- 1	1	î	
17	1		÷	- 1	- 1			2	2	2	- 1	1	****	1		1	1	1	1	1	1	,	î	- 4	
18	1	•	Ŷ	-			2	3	3		- 1	1	1	1	1	1	1	1	2	2	2	2	2	2	- 1
19	2	2	5	2	2	2		3		2	2	2		- 1	2	2	2	2	2 2 2	2 2 2	3	2	2	2	
20	1	- î	•	•	- 1		- 2	1	1	1	1	1	1	1	3	1	1	1	5	5	1	- 1	- 1	- 1	
						3.0	3	1	1	1	1	1	1	1	1	1	1	1	1	- 7	;		194	- 4	1
21	1	1	1		30		1	27																	,
22	1	4	- 4	-		- 1	1	2	2	- 1	1	1			1	-1	1	1	1	1		1	- 1	-	
23	1	4	- 4			- 1	- 1	- 3	1	1	3	- 1	1		1	1	1	1	1	- 1	- 4			- 3	:
24	-	- 4						- 1	1	1	1	1	1	1	1	1	1	1		- 1	- 4	7			
25	4			- 1	1	- 1	- 1	- 1	1	1	1	1			2	2	2	2	2	2	,	- 4		18	
26	4	7.0		- 2	1		1	1	1	1	1		3		1	1	1	1	7	-	•	- 1			1
27			1			1	1	1	1	1	1		1	1	1	1	1	- 1	4	- 1	- 1	- 1		- 1	1
28			1			1	1	1	1	1	2	2	2	2	2	2	2	- 1	- 1		- 1	- 1		,	7
2.0		36	1		3	1	1	2	2	2	1	1	1	****	1	1	7	i	1	2	2	2	2	1	1
MEAN	1	1	1	1	ì	1	1	2	2	1	,	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA VALID - 87.2 PERCENTAGE OF DATA INVALID - 12.8

	POL	LUTANT	. (	CARBON	MONO	IDE								UNITS	. PA	RTS/M	ILLION	4							
	STA	TION -	0	C NO 4	4010	12	98	REBECCA	ST	OAR	VILL	E				MON	TH - 1	MAY	77						
HOUR DAY	i	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3 2	2 2	2	2 2	2	2	2	2 2	2	2	2	2		2 2	2 2	2 2	2	2 2	2	2 2	2	2	2 2	2 2	2 2
3	2	2	2	2	2	3	3	2	2	2	2	2		2	2	2	2	2	2	2	2	3	2	2	2
4	3	3	5	2	2	2	2	2	2	2		2		2	2	2	2	2	2	2	2	3	2	2	5
5	2	2	2	2	2	2	2	2	2	5	2	5	2	2	2	5	2	2	- 1	2	<u> </u>	2	2	2	
6	2	2	5	2	2	5	2	2	2	2	2	5		1	2	2	2	5	2	2	3	2	2	2	2
7	ī	1	7	1	î	ī	1	ī	1	- 5	- 5	- 1	2	2	2	5	1	1	2	2	1	2	5	- 1	:
Ř	i	i	i	4	1	1	á	- 1		2		,	1	1	•	•		- 6	- 1	1	•	•	- 1		
9	i	•	i	10	i	i	1	i	ý.	1	1	ī	****	,	4	- 1	1		- 4	- 1	- 1				- 3
10	1	1	í	Ť.	1	1	1	2	2	1	1	1	1	1	i	1	1	i	i	2	2	i	i	i	i
1.1	1	1	1	1	1	2	2	2	2	2	2			1	2	1	1	2	2	2	3	2	1	1	2
12	1	1	1	1	1	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2
13	2	1	2	2	2	2	2	2	2	2	2	• • • •	2	2	1	2	2	2	2	2	2	2	2	2	2
14	2	2		1	1	3	1	2	2	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	- 1	1		1	1	1	1	1	1	2	3	3	3	4
16	1	1	1	4	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2
17	1	1.		1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	••••	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	1	- 8	1	1	2	2	2	2	2	2	2	1	2	1	2	1	1	1	2	2	2	2	2	2
20	2	2	1	1	1	1	2	2	1 .		1		1	1	1	1	2	2	1	2	2	2	2	1	1
21	2	1	1	2	2	2	1	1	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2
22	2	1	1	1	2	2	2	2	2	2	2	2		2	2	2	2	1	1	2	2	2	2	2	2
23	2	2	1	1	1	1	1	2	1	2	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2
24	2	1	1	1	1	1	2	2	2	2	1	1	••••	2	2	2	3	3	2 2 2 2	2	2	3	2	2	2
25	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
26	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	4	2	2	2	2
27	1	2	2		•	2	2	2	2	2	1	2	••••	2	2	1	1	1		2	2	3	2	3	2
28	3	2	2	2	1	1	2	2	2	2	2	1	2	1	1	2	2	2	2	1		1	1	1	2
29	1	.1	1	1	1	1	1	1	1	1	1		2	- 1	1	1	1	1	2	2	2	1	2	2	1
30	2	2	2	2	2	2	2	2	1	1	1	2	1	1	2	1	1	2	2	2	2	2	2	2	2
31	2	2	2	2	5	2	3	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	r - (	ARBOR	MONO	XIDE							j)	UNITS	- PAF	RTS/M	ILLION	ı							
	STA	TION	. (	NO 4	4010	1	298	REBECCA	ST	OAK	VILLE					MON	TH - J	UN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	EAN
1 2 3 4 5 6 7 8 9	2 2 1 3 2 2 1 1 1 1	2 1 1 2 2 2 1 1 1 1 1	2 1 1 2 2 2 1 1 1	2 2 2 1 1 1 1 1	1 2 1 2 2 2 1 1 1	1 2 2 2 2 1 1 1 1 1	2 2 1 2 2 1 1 2 2	2 2 1 2 2 1 1 1	2 1 2 2 2 1 1 1 1	2 1 1 2 2 2 1 1 1 2	2 2 2 1 1 1 2	1 1 2 2 2 1	1 2 1 1 1 1 1 1 1	1 1 2 2 2 2 1 1 1 1 1 1	1 1 2 2 2 1 1 1 1 1	2 2 2 1 1 1 1	2 1 2 2 2 1 1 1 1 1	2 1 2 2 2 1 2 1 1	2 1 2 2 1 2 1 1	2 2 2 2 1 1 1 1 1	2 2 2 2 1 1 2	2 3 2 2 2 1 1 1 3	2 2 2 2 2 1 1 1 2	2 1 2 2 2 1 1 1 2	2 2 2 2 1 1 1 1 1
11 12 13 14 15 16 17 18 19	2 1 1 2 2 2 2 2 1 1	1 1 2 2 1 1 1 1 1 1 1	1 1 1 2 1 1 1 1	1 1 2 1 1 1 1 1 1	1 1 1 2 2 1 1	1 1 1 1 2 2 1 1 1	1 1 2 2 2 2 1 1 1	1 1 2 1 2 2 2 1 1 1 1	1 1 1 2 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 2 2	1 1 2 2 1 1 1 1	1 1 1 1 1 1 1 2	1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 2	2 1 1 1 1 1 1 1	2 2 1 1 1 1 1 2	2 1 1 2 2 2 2 1 1 2	1 1 2 2 3 2 3 1 1 1	1 1 2 2 2 2 3 1 1	1 1 2 1 2 2 3 1 1	1 1 1 2 1 1 1 1
21 22 23 24 25 26 27 28 29	1 1 1 2 1 1 2 1	1 1 1 2 1 1 2 1 1 1	1 1 2 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 2 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1	2 1 2 2 1 1 2 1 1 2 1 1 2	2 1 2 1 1 1 1 1 2	1 1 1 1 1 1 2	2 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1	1 1 2 2 1 1 1 1 1 1 1 1	1 1 2 2 1 1 1 1 1	1 2 2 2 1 2 1 1 1	1 2 2 2 1 1 1 1 1	1 2 2 2 2 1 2 1 1	1 1 2 1 1 1 1 1 1 1
MEAN	1	1	1	1.	1	1	1	2	1	1	1	,	1	1	1	1	1	1	1	1	2	2	2	2	1.3

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - C NO 44010 1298 REBECCA ST OAKVILLE MONTH - SEP 77 HOUR 3 4 10 11 16 17 18 19 12 13 14 22 23 6 7 8 9 1 2 12 13 14 15 16 17 18 19 2 2 2 2 1 2 2 2 2 1 1 2 1 2 2 1 2 1 2 3 1 2 1 DATA INVALID -22 23 24 25 26 27 28 29 2 2 1 1 1 2 2 2 2 1 2 2 1 2 2 MEAN 1.5

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 5.6

PERCENTAGE OF DATA UNAVAILABLE - 1.8

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION 1298 REBECCA ST OAKVILLE STATION - C NO 44010 MONTH - OCT 77 HOUR 6 7 12 13 14 20 21 24 MEAN 2 3 4 5 6 7 8 9 10 2 1 1 12 13 14 15 16 17 18 19 20 2 1 1 2 5 3 5 3 6 3 22 23 24 25 26 27 28 29 30 3 2 3 2 1 2 3 4 4 3 1 1 5 2 1 3 7 9 3 2 1 2 5 7 7 2 10 6 3 2 1 2 \*\*\*\* MEAN 2.2

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2 HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION

			CHAILS - PARIS/MILLION	
STATION -	C NO 44010 1298 REBECCA	ST OAKVILLE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24 - HOUR MAXIMUM	MAXIMUM READING
MAL	26	1.9	4	10
FEB	24	1.2	2	9
MAR	31	1.5	3	7
APR	28	1.6	2	4
MAY	31	1.7	2	4
JUN	30	1.3	2	3
JUL	31	1,2	2	3
AUG	31	1.4	2	3
SEP	27	1.5	2	3
OCT	31	2.2	6	13
NOV	30	1.7	4	9
DEC	31	2.2	4	8
YEAR	351	1.6	6	13

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT	CARBON MO	NOXIDE				JNITS - PAR	RTS/MILLION			
STATION -	C NO 440	010 129	BB REBECCA S	OAKVILLE						
MONTE	4 00 TO 01	02 10 03	04 TO 08	9 TO 13 1	4 10 30	1 AOVER	TOTAL			
MAL	272	325	47	1	0	0	645			
FEB	458	124	3	1	0	0	586			
MAR	384	341	12	0	0	0	737			
APR	275	412	1	0	0	0	688			
MAY	252	480	1	0	0	0	733			
JUN	485	228	0	0	0	0	713			
JUL	615	127	0	0	0	0	742			
AUG	447	289	0	0	0	0	736			
SEP	359	308	0	0	0	0	667			
OCT	258	357	109	6	0	0	730			
NOV	344	326	42	1	0	0	713			
DEC	138	531	70	0	0	0	739			
YEAR	4287	3848	285	9	0	О	8429			
FREQUENCY	DISTRIBUTI PERCENT OF DATA VALID	ON BY PERC	CENTILES	FREQUEN	CONCENTR CY DISTRIE	UTION, PER	CENT 95 98	99	МДХ	ARITH MEAN
	96.2	0	0.2 0.6	1.0	1.5		.7 3.8	4.7	13	1.6

POLLUTANT - CARBON MONOXIDE

UNITS . PARTS/MILLION

	STA	TION -	SE	NO 5	1001	М	CDONA	LD GDN	N RIC	EAU/W	URTE	MBURG	ST.O	TTAWA		MONT	H	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1 2 3 4 5 6 7 8 9	1 1 1 1 1 1 2 1	1 1 2 1 1 2 1	1 2 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 2 1 1 1 1 1	1 1 2 2 1 2 2 1 1 1	1 1 2 1 1 2 2 1 1	1 1 2 1 1 1 1 1	1 2 1 1 2 1 1 1	1 2 1	1 1 2 1 ••••	1 1 2 1 2 1 1 1	1 1 2 1 2 2 2 1 1	1 1 2 2 3 2 2 1 1 1	1 1 2 1 3 2 2 1 2 1	1 3 2 1 1 2 2 1 1 1	1 4 2 1 1 2 1 2 1	1 4 2 1 1 1 2 1 1	1 4 2 1 1 1 3 1 1	1 3 2 1 2 1 1 1 1	1 2 1 1 1 2 1 2 1	1 2 2 1 1 2 1 1 1
11 12 13 14 15 16 17 18 19	1 1 1 1 1 2 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 0 1 1 1 1 1	1 1 1 1 1 1 0 1 1 1	1 1 1 1 1 0 1 1 1	1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1	1 3 3 2 1 1 1 1 2	1 4 6 2 1 1 1 1	1 2 6 2 1 1 1 1	1 1 7 1 1 1 1 1	1 1 4 2 1 1 1 1 1 1	1 1 2 1 1 0 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 3 1 1 1 1 1	1 3 2 1 1 1 1	1 2 3 1 1 1 1 1 1 1 2	1 1 2 1 1 2 1 1 1 1	1 1 2 1 1 2 1 1	1 2 2 1 1 1 1 1	1 1 2 2 1 1 1 1	1 1 2 1 1 1 1 1 1	1 1 1 2 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	1 1 1 1 2 2 1 1 1	1 1 1 1 2 2 1 1 1	1 1 1 2 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 2 1 1 1	1 1 1 1 1 1 1 0	2 1 1 2 2 1 1 2 1 0	3 1 1 2 2 2 1 3 1	2 1 2 1 1 2 1 1	1 1 2 2 1 1 1 1 1	1 1 2 1 ***** 1 1 1	1 1 2 1 1 1 1	1 1 1 2 1 1 1	1 1 1 2 1 1 1 1 1 1 1	1 1 2 2 1 1 1	2 1 1 2 3 1 1 1 1 1	2 1 2 2 4 1 1 2 1	2 1 2 2 5 2 1 1	2 2 2 5 2 1 1 1 1	1 2 2 3 3 1 1	1 1 2 2 3 1 1 1 1	1 1 1 2 2 1 1 1 1	1 1 2 2 2 1 1 1 1 1 1 1	1 1 2 2 1 1 1 1 1 1
31 MEAN	1	1	1	1	1	1	1	1	1 2	1	1	1	1	1	1	1	1	1	1	1 2	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA MONTH - FEB HOUR 24 MEAN 8 9 10 11 16 17 12 13 14 15 18 19 20 21 22 23 9 10 DATA INVALID 11 12 13 14 15 16 17 18 19 20 3 0 21 22 23 24 25 26 27 MEAN 1 2 1.3 2 2

PERCENTAGE OF DATA VALID - 91,1

PERCENTAGE OF DATA INVALID - 8.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	*	SE NO	51001		MCDONA	LD (	GON R	DEAU,	WURT	EMBUR	G ST.	AWATTO		MON	(ТН -	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	4		n	0	0	0	0	0	0	0									- 2	_				
2	1	- 4	,	1	ĭ	1	1	ĭ		ĭ	ĭ	•				- 1	- 1		- 1	1	3	3	2	1 2	
3	1	- 1	,	1	- 1	1	2	,	2 2	- 1	- 1	1	4	i		- 1	- 1	,	2	2	2	6	5	4	1
4	1	1	1	1	1	1	্	ī	- 2	1	1	- 4		1	i	ì	i	- 7	1	1	- 1	•	2	2	2
5	1	1	1	1	0	Ó	i	•	ī	1	1	- 1	1	•	,	- 1	î	i	- 4			- 1	1		1
6	1	1	1	1	1	1	1	- 1	1	1	1	- 4	1	,	1	,	î	i	1		3		i	i	i
7	1	1	1	1	1	1	1	- 1	2	1	1	1	1	1	2	2	2	2	1		-	- 1	÷	2	i
8	1	1	1	1	•	1	1	- 1	3	3	2	2	1	2	2	2	2	2	,		2	•	i	2	2
9	1	0	1	1	1	2	3	3	2			1	1	1	2	2	2 2	2	2	2	ī	•	î	ī	5
10	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2 2 3	4	4	7	5	4	2
1.1	3	3	3	1		1	2	4	4	2	2	1	1		1		2	2	2 2	2	2	1	2	3	2
12	2	1	1	1		1	1	1		1	1	1	0	0	0	•	2	2	2	2	2	2	1	1	1
13	1	1	1	1	. 1	1	1	1	1	1	1	1	1	1	1	,	1		1	1	1	1	2	1	1
14	1	- 1	0	1	1	1	1	2	1	2		1	1	1	1	1	1	1	1	1	0	0	1	1	1
16	ò	0	0	0		0	0	2	2		- 1	0		1	0	,	1		1	1	0	1	1	0	1
17	****	1	0	0		0		- 1	1	1	0	0	0	0	1	- 1	••••		0	O	,	0	0	0	0
18		1	1	0		1	1	- 3	1	- 1	0	1	****	2	1	1	1	1	1	1	1	2		2	1
19		0	- 1			0	1	- 1	1		٠	****	:	0	2	1	1	1	1	1	1	1		0	1
20		ő	2			- 1	1	- 3	11		!	0	****	0	1	1	1	,		1	1	1	•	1	1
270.00		187	_	1				-1				****			1	1	1	1		1	0	1	0	0	1
21		~	••••			0	0	0	1	0	0	0	1	1	0	1	1	1	1	1	0	1	1	0	1
22	• • • •	0	0	,	0	1	0	1	1	1	0	- 1	0	1	0	0	0	0	0	0	0	1 D	0	0	0
23														INVALI											-
24														INVALI											
25 26 27 28														INVALI											
26														INVALI											
21														INVALI											
29														INVALI											
30												- D	ATA U	NAVAILA NAVAILA	ABLE										
31												- D	ATA U	NAVAILA	ABLE	ā									
MEAN	ŧ	3	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	,	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 67.7 PERCENTAGE OF DATA INVALID - 20.8

PERCENTAGE OF DATA UNAVAILABLE - 11.4

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTANT	- C	ARBON	MONO!	XIDE								L	INITS	- PA	RTS/MI	ILLION								
	STA	TION -	SE	NO S	51001	M	CDONA	D GDN	RIC	EAU/W	URTE	MBURG	ST	.01	TAWA		MON1	гн - д	PR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	Ħ	12	1	3	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5												- DA	ATA ATA		VAILA VAILA VAILA VAILA	BLE BLE	•									
6			<b>5</b>			121	550	-						•	-		1	0	0	1		0	1	1	0 +	
7		0	0	0	0	000	0	0	0 0 0	0	0	0		0	0	1	1	1	1	1	3	1	0	0	0	0
8		0	1	0	0	0	0	0	0	0	0	1		0	1		1	0	0	1	1	1	0	1	1	0
10		1	0	0	1	0	0	0	0	0	0	0		0	0	0	0	0	0	0	1	1	1	1	1	0
10		,	2	1:	- 1	U	U	,	1	U	O	0		O	0	0	0	0	1	1	1	1	1	1	1	1
1.1		1	1	1	0	0	1	,		1	1	1					0	1		120	_	_				
12		Ó	ó	à	õ	1	i	- 1	4	ò	ò			0	0	0	ŏ	ò	0			- 1	1	1	1	1
13		í	1	1	- 1	1	1	ż	i	2	3	3	1	ĭ	ŏ	ŏ	ĭ	•	Ÿ			2	3	- 3	- 1	
14		ó	ó	o		1	,	1		-	ĭ	ž		i	ĭ	·	- 4			1		1	1	1	1	1
15		ĭ	õ	1	ò	ò		•		ò			- 4	ò	ò	ò	ò	ò		0		- 1	- 1	- 1	0	1
16		î	1	- 1	ĩ	ĭ	1	•	4	ĭ	ĭ	1		1	ĭ	·	Ÿ	Ÿ		1		1	- 1	1	1	3
17		î	1	4	Ó	ò	1	i	ò	ò	ò	ò		ò	ò	ò	ò	ò	ò			- 1	1	2	1	- 1
18	1	i	1	1	1	ĭ	i	2	3	3	2	1		ĭ	1	·	ĭ	ĭ	Ÿ		,	- 1				- 1
19	2	î	1	1		1	1	1	1	ĩ	- 7	1		i	i	- 1	-			- 1	2	1	1		1	1
20		Ó	ò	ò	0	1	1	1	i	4	1	o			i	- 1	4	•			4	-		2	2	
		70		127	100					7.2	10.50	-				- 5				950		2	4	*	- 2	9
21		1	0	1	1	0	1	ì	1	1	1	1		1	1	1	1	1	1	1	1	1		1	1	
22		1	0	0	0	0	0	1	1	1	1	0		1	0	o	1	0	a	ò	ò	ò	ó	ó	ò	ò
23		0	0	0	0	0	0	0	0	0	0	0		٥	0	1	1	1	1	ī	ī	1	ĭ	-	ō	ŏ
24		0	0	0	0	0	0	1	1	0	0	0		1	1	1	0	0	0	0	'n	ò	ó	o	ő	ŏ
25		0	0	0	0	0	0	1	1	0	0	0		0	0	0	1	1	1	1	ĭ	ĭ	ĭ	ĭ	ĭ	ŏ
26		1	0	0	0	1	1	2	2	1	1	1		1	1	1	1	1	1	1	1	i	î	1	- 4	1
27		1	0	0	1	1	1	2	1	1	1			1	1	1	1	1	1	1	i	î	i	4	ò	- 1
28	0	0	0	0	0	1	1	1	1	1	1	1		1	1	- 1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	i	1	0	0	0	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	î	1	4	0.7

PERCENTAGE OF DATA VALID - 77.9 PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 18.9

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	S	ATION	· · · · ·	E NO	51001		MCDONA	LD GDI	N RI	DEAU/	WURTE	MBUR	S ST.	OTTAWA		MONT	тн -	JUL	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	11	1	,	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	1
2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 7	î	2	2	2	1
3	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	2	2	2	2	2	2	2	1
4	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
6		1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	2	2	3	2	2	2
7		1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8		2	2	2	2	1	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	1	1	2
9	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	,	1	1	2	1
10	••••	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	4	4	3	2
1.1	••••	2	2	2	2	2	2	2	2	2	2	2	0		0	1	0	1	1	1	1	1	1		1
12	1	0	0	0	0	0	0	2	2	1	1	1	1		1	2	1	1	1	1	1	1	1		1
13	1	1	0	0	0	1	1	1	1	1	1	2	0		0	0	0	0	0	0	0	1	1	1	1
14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	2	1	1
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21	0	0	0	0	0	0	0	0	0	0	0	0	0		0	1	1	1	1	1	1	1	1	1	О
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PERCENTAGE OF DATA VALID - 87.6 PERCENTAGE OF DATA INVALID - 12.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STA	TION	· SE	NO !	51001	,	MCDONAL	D GDI	N RI	DEAU/V	URTE	MBURG	ST.O	TTAWA		MON	тн - ,	AUG	77						
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21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 2 2 0 0 0	2000021	1 0 0 0 0 1 1 0	0 0 0 0 1 1 0 0 1	0 0 0 0 1 1 0 0 0 0	0 0 0 1 1 2 1 0 1 0	0 1 1 1 1 2 1 0 2 1	0 1 1 1 2 1 0 1 1	0 0 0 1 1 1 0 1 0	0 0 0 1 1 1 0 1 0	0 0 0 1 1 1 0 1 0	0 0 0 1 1 0 0 1 1	0 0 0 1 1 1 0 1 1	0 0 0 1 1 0 0 1 1	0 0 0 1 1 0 0 1 1	0 0 0 1 1 0 0 1 1	1 0 1 1 1 0 0 0 1 1	1 0 1 1 1 0 0 1 1	1 0 1 1 2 1 0 1 1	1 1 1 1 2 1 0 1 1	1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 2 2 1 1 1 1	1 0 0 1 2 2 0 1 1 2	010122011011	0 0 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1
31 MEAN	0	1	1	0	0	0	1	7	1	1	1	0	1	1	1	1	1	1	1	1	2 1	1	1	0	1 0.9

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA MONTH - NOV HOUR DAY 11 12 24 MEAN 3 4 5 6 7 8 9 .00000000 000000. -0000000 -0000000 12 13 14 15 16 17 18 19 22 23 24 25 26 27 28 29 00-0000 1 1 0 2 1 0 1 1 1 .. MEAN 

 PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

0.5

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

"-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - PARTS/MILLION POLLUTANT - CARBON MONOXIDE STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA MONTH - DEC 77 HOUR 24 MEAN 000-001-0 3 4 5 6 7 8 9 10 12 13 14 15 16 17 18 19 20 3 1 ò 0 2 0 0 0 22 23 24 25 26 27 28 29 30 000-000 0 2 1 1 1 0 1 1 0 1 2 1 0.7

PERCENTAGE OF DATA VALID - 98.8 NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- \*.\* INDICATES DATA IS UNAVAILABLE

  - 3. " ---- INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA INVALID - 1.2

MONTHLY SUMMARY OF HOURLY AND 2 HOURLY DATA FOR 1977

POLLUTANT · CARBON MONOXIDE UNITS · PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	3.1	1.3	2	7
FEB	25	1.3	3	6
MAR	22	1.1	2	7
APR	24	0.7	1	3
MAY	3.1	0.6	1	4
JUN	30	0.8	2	3
JUL	28	0.9	2	4
AUG	31	0.9	2	3
SEP	28	0.7	2	4
OCT	27	1.0	2	6
NOV	30	0.5	2	5
DEC	31	0.7	3	7
YEAR	338	0.9	3	7

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT -	CARBON MO	NOXIDE				UNITS -	PARTS/MILLION
STATION -	SE NO 510	O1 MCD	ONALD GON	RIDEAU/WUR	TEMBURG ST	AWATTO.	
MONTH	00 TO 01	02 TO 03	04 TO 08	09 TO 13	14 TO 30	31 80VER	TOTAL
JAN	586	139	12	0	o	C	737
FEB	467	129	16	0	o	C	612
MAR	417	77	10	0	0	C	504
APR	535	26	0	0	0	c	561
MAY	682	41	1	0	0		724
JUN	601	99	0	0	О	C	700
JUL	530	120	2	0	0	(	652
AUG	630	102	0	0	0	(	732
SEP	615	47	1	0	0	(	663
OCT	529	123	12	0	0	(	664
NOV	646	61	5	О	0		712
DEC	656	62	17	0	0		735
YEAR	6894	1026	76	. 0	0	10	7996

FREQUENC	Y DISTRIBUT	ION BY P	ERCENTILES									
	PERCENT				F==011F+++		TRATIONS	0=00511=				. D. TU
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	91 3	n	0.0	0.0	0.3	0.7	1 3	1 8	2 4	3.0	7	0.9

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	2	1																								
	S	TATIO	N - :	SE NO	5605	1	MEMO	RIAL F	PARK	YORK/	THIRD	ST	CORNW	ALL		MO	TH -	JAN	77							
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7	2	2	2	2		- 1	2	2	1	2	1	1	1	- 2	1	1	2	1	2	2	2	2	2	2		1
8	1	- 7	-	- 1		- 1	- 2	2	3	- 2	2	2	1	2	-1	2	2	1	1	2	1	1	1	1		2
9	i	- 2	- 2			1		1	1	- 1	- 1	- 1	1	1	1	1	1	1	1	1	- 4	- 1	1	1		1
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17	- 1	1	1	1	1	1	1	- 1	1		- 1	î	4	- 4		- 1	- 1	1	1	1	1	1	1	1		1
18	1	1	- 1	1	- 1	1	- 4	1		4	- 1		4	- 4		1	2	2	1	1	1	1	2	1		1
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27	,	- 1	3	1	- 1	1	1	1	1	1	- 1	1	1	1	1	1	2	2	- 1	1	- :		- :	:		
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PERCENTAGE OF DATA VALID - 95.4 PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

														C	- 20										
	ST	ATION	- 5	SE NO	56051		MEMO	RIAL	PARK	YORK/	THIRD	ST.,	CORNW	ALL		MON	TH -	FEB	77						
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6	- 1	- 1	ិ	- 4	- 4	- 4	- 4	- 1	1		- 2	5	2	2	2	2	2	2	1	1	1	1	1	1	2
7	1	1	4	í	1	4	1	1			1	- 1		1	1	1	1	1	1	1	1	1	1	1	1
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9	1	1	- 1	1	i	4	-	1	2			- 3	- 1	- 3	1		- 1	1	1	1	2	2	1	1	1
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1.1	1	1	3	1	1		-	2	2	2	2				-										
12	1	- 1	,	- 9	4	- 4	- 4	1		-	- 2	3	3	- 1	- 1	- 1	1	1	1	1	1	1	1	1	1
13	1	1	1	्रं	- 1		4	- 4				- 1	2	- 1	1	1	1	2	2	1	1	1	1	1	3
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23	2	1	1	1	1	1	2	2	2	- 4	4	2		- 1	- 1	- 1	- 2	2	2	. 3	3	2	3	3	2
24	1	1	1	1	1	1	- 7	- 1		****		2	10	- 1	- 1	2	2	1	- 1	1	1	1	1	1	1
25	1	1	1	1	1	1		2	2	1		- 2			- 1	2	2	- 1	1	1	1	1	1	1	1
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28	1	1	1	1	1	- 1	1	1	4	- 4	- 1			- 4	1	1	4	2	1	1	1	1	1	1	1
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MEAN	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	i	1	1	1	1.2

PERCENTAGE OF DATA VALID - 94.8 PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

					50											- 5									
	\$1	ATION		SE NO	56051		MEMOR	IAL F	ARK Y	ORK/I	HIRD	ST.	CORNE	ALL		MON	TH .	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	50	21	22	23	24	MEAN
1	1	1	1	1	1	1	,	1	1	1	1	1	- 1	1		1	1	1	1	1	1	1	0	0	1
2	0	1	0	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1			1
3	1	1	0	0	1	1	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	.1	1		1
4	1	1	1	1	0			1	1	1	1.	1		• • • •		****			****		• • • •				*****
5													DATA			0.04	547								
6		0.000		****	****		****	****		(a)		o	0	0	. 0		0	0	. 1	1	0	0	0	0	*****
7	0	0	0	0	0	0	0	0	0	****	****		****						****	****			• • • •	****	*****
8 9													DATA												
10	••••	••••	••••	****				****		****	1	1	1	1	1	0	a	t	1	1	1	1	1	1	*****
1.1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1
12	0	0	0		0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	- 1	0	1	1	1
13	1	1	0	0	0	0	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
14	1	0	0	0	1		1	,	1	1	1	,	0	1	0		1	1	1	1		1	1	1	1
15	1	1				0	0		1	1	1	1	- 1	1	1		1	1	1	1	1	1	0	0	1
16	0	0	0	0		0	1		1	- 1	1		1	1		0	0	0	1			1	1	- 1	1
17	0	0	0	1	. 1		1	8.	1	- 1	1	0		0			1	1	0	0	0	0	0	0	
18	0	0	0			0	0		1	1	0	0					ò		1		1				- 5:
19	0		0			1	- 1	- 1	1	ò	0	0					ő	0	1	1	- 1	٥	0	0	
20	D	0	0	U	0		- 1	- 9		U	v	U			·	·	U	v	180	2	1	ž.	Ĭ		-
21	0		0				0	0		0	0	0						0	0			0		0	
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24	6						ŏ	0		ŏ		ŏ			ő		õ	ň	ŏ	ŏ			ŏ	ŏ	
25	ŏ	ŏ	ő			Õ	õ	0			ō	ŏ		ő	ň	ő	o o	õ	ŏ	ŏ	ŏ			ō	
26	ŏ	ŏ	ő			0	0	ō	0	0	ŏ	ō	ō	0	0	0	ō	ō	0	0	ŏ	ō	ŏ	ō	
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28	1	1	1	0		0	0	0		1	1	0	0	0	0	0	1	0	0	0	1	1	1	0	0
29	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0				****	****					0
30	****	****		****		••••	* • • •	••••	1	1	1	1	0				0	0	0	1	1	1	1	0	. 1
31	0	O	0	0	0	0	0	0	0	0	٥	0	0	0	0	****	••••		• • • •	****	****	****		••••	•••••
MEAN	0	0	0	0	0	0	0	1	1	Ĭ	1	0	0	0	0	٥	1	0	1	1	1	1	0	0	0.4

PERCENTAGE OF DATA VALID - 80.4 PERCENTAGE OF DATA INVALID - 19.2 PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	S	TATION		SE NO	5605	ti:	MEMOR	RIAL	PARK	ORK/1	HIRD	ST	CORN	ALL		MOR	NTH -	JUN	77						
HOUR	31:	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1					****				0	0	0	0	٥	0	0	0	0	0	o	o	0	0	0	0	0
2	0	0	0	0	0	0	0		0	0	0	0					0	Ō	ō	ō	õ	0	ō	ō	ñ
3	0	0	1	1	1	- 1	0			ō	0									****					
4						0	ō			- 7	- 7	0	1	1	1	1	0	0	0	0	0	0	0	14	0
5	0	0	0	0	0	ŏ	õ	č		ò	ò	ŏ	ò	ò	ó	ò	ŏ	Ö	ŏ	0	ő	ő	ŏ	ò	ž
6	ō	ŏ	ŏ			ŏ				ŏ	ŏ	ŏ	ŏ	ő	õ	ŏ	ŏ	ŏ	ž	×	ő	ŏ	Ö	o	
7	ő	ŏ				ő				ŏ	ŏ	ŏ	ŏ	ň	,		1	ĭ	0	ŏ	ŏ	0	ŏ	ŏ	
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10	ő		0			Ų	٠						100		0	0	0	0	0	0	0	0	0	0	0
10	U	0	0	0	O	- A	- 1	. 1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
11	0	0	0	0	0	0	0		0	٥	0	0	0	0	0	0	0	0	0	0	0	0		0	•
12	0	0	0	ō	0	0				0	o	ŏ	0	ō	ŏ		ŏ	ō	ŏ	ŏ	×	ŏ		ŏ	
13	ō	ō	ō			ō				ō	ŏ	ŏ		ŏ	ŏ		ŏ	ĭ	ŏ	1	Ÿ	1	- 1	ř	×
14	ŏ	ŏ	ŏ			ŏ		- 1		ŏ	ŏ	ŏ	ŏ	ŏ	ŏ		ŏ	ò	ŏ	ò		ò	ò	ò	×
15	ő	ő	ő	ő		ő		,	, ,	ŏ	ŏ	×	ő	ŏ	0	ŏ	0	ŏ		1	0	0	Ÿ	·	ŭ
16	ŏ	ő	ő	ŏ		ő				ž		0	ö	ő					0	(5)	- 1	- 1	_ 1	- 1	0
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18	1	1	U					3							0	0			o	0	0	0	1	1	0
10			1	0		0		9		0	0	0	0	0	٥	0	0	0	0	0	0	0	0	٥	0
19	0	0	0	0		0				0	0	0	0	0	0	0	0	0	0	0		0	0	0	0
20	0	0	0	0	0	0	0	•	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0			0	0		0	• • • •	••••		••••	0	0	0	0	0	0	1	1	1	0	0	0
22	0	0	0	0		0	0		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
23	0	0	0	O		0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
24	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	o	ō	0	0	0	0
25	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	ō	ō	ō	1	0	o	o.
26	0	Ó	ō	ō		0			ō	ō	ō	ō		ō	ō	ō	1	1	ĭ	ŏ	0	ó	ō	ō	ŏ
27	0	0	0	0							0	ō		ō		ō	0	Ó	ò	ŏ	ō	ō	ō	ŏ	ñ
28	ŏ	ŏ	ő	ŏ		0	ŏ		, ,	ŏ	0	ō	ŏ	ŏ	^			ő	ő	ă	ŏ	ŏ	ŏ	ő	č
29	ŏ	o	ŏ	ŏ		ő	ŏ		, ,	0	ŏ	ŏ	ŏ	š	~	ŏ	ō	ŏ	ŏ	ő	ŏ	ŏ	ő	ő	
30	ŏ	ő	Ö	ő		ŏ	õ			ő	ő	õ	ŏ	0	0	0	č	õ	ŏ	ŏ	0	ő	Š	0	0
30		U	U	U	U	U	Ü			U	U	U		U	v	U	U	U	U		U	U	U	U	U
MEAN	0	0	0	0	0	0	0	C	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0.1

PERCENTAGE OF DATA VALID - 94.2 PERCENTAGE OF DATA INVALID - 8.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL MONTH - SEP 77 HOUR 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 0 0 0 2 0 0 \*\*\*\* 0 0 0 0000 0001 000000 0000 9 0 0 0 0 0 0 0 11 12 13 14 15 16 17 18 19 20 0 0000000000 0 0 0 0 0 0 0 0 0 0 00000000 0001 0 0 1 000 ò 0 21 22 23 24 25 26 27 28 29 30 0 0

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0

0 0 0 0

MEAN

0

0 0 0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT		CARBO	N MONO	XIDE	E							JNITS	- PAI	RTS/M	ILLIO								
	STA	TION -	S	E NO	56051		MEMOR	IAL P	ARK Y	ORK/TI	HIRD	ST.,					TH - (		77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	1	1	1	1	1	1	1	1	1	4	1	1					ı.					40			
2	,	1	0	0	0	0	0	0	î	1	1	1	1	1	- 4	- 1	- 5			1			- 1	1	1
3	1	1	-15	0	1	1	1	1	1	1	1	1	1	- 1	- 1	- 1			1	- 1	1	- 1	1	1	1
4	1	1	0	1	1	1	1	1	1	1 1		ò	ó	ò	ò	ò	- 1		2	1	2	1	1	1	1
5 6	0	0	0	0	0	0	0	0	- 2	Ö	0	ő	ŏ	Ö				,	2	1	1	1	0	0	1
	0	0	0	0	0	o	ŏ	o	0	Ö	ő	0	1	0	0	0	1	0	1	0	0	0	0	0	0
7	0	0	ō	0	0	o	ĭ	•	ő	1					0	0	0	1	1	0	1	0	0	0	0
8	1	1	2	1	1	1	- 1	- 2	0		0	0	0	0	0	0	0	1	1	1	1	1	1	1	ō
9	1	ó	ō	ó	o			1	ò	1	1	1	1		1	1	1	1	1	1	1	1	î	1	ī
10	a	Õ	0	0	ő	,		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	'n
		•	0	O.	U		0	0	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1
11	0	0	0	0	1	2	5	7	200				4												
12	0	o	0	o	ò	-		- 1		1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1
13	ŏ	ĭ	Ď	1	0	:	- 1	1		1	0	0	0	0	1	1	1	1	1	0	o	1	1	1	- 1
14	2	i	٠	í	1		1		1	1	1	1	1	1	1	1	1	1	2	5	8	4	7	4	Ġ
15	•			o	5	1	2	3	2	2	,	1	2	2	2	2	1	1	1	1	1	1	- 1	4	-
16	1	i	1	,	0	0	0	1	1	1	1		1	1	1	1	1	1	1	1	÷	Ŷ	- 4	4	4
17	ò	o	0			- 2	1	1	1	1	1	1	2	1	1	1	1	1	1	î	'n	- 1	o	ò	
18	1	·		0	0	0	1	1	1	1		1	1	1	1	1	1	1	1	i	ĭ		ĭ		- :
19	1	1	0	0	,	- 1	1	1	1	1	1	1	1	1	1	1	1	1	- 6	4	- 1	- 2	2	- 2	
	1.00	- 2	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	2	- 1	- 4	- 1	- 1		- 1	1
20	1	1	1	1	1	1	1	4	3	3	2	1	1	1	1	i	1	- î	2	- 1	1	- 1	1	- 1	1
21	1	i	1		19					2.9									-	÷	•	9			1
22	1	4		i	- i	- 1		1	1	1	- 1	- 1	7	1	1	1	1	1	1	1	1	4	1	1	- 1
23	ò	ó	ò	o	ò		- 1	1	1	1	1	1	0	0	0	1	1	1	0 *	***	0	0	0	0	
24	ŏ	·		ő	0	- 1	1	1	0	0	0	0	0	0	0	0	0	1	2	1	2	1	ī	ĭ	4
25	ö	ó	1	1	1	1	3	12	2	1	1	1	1	1	1	1	1	1	2	2	7	1			÷
26	1	0				2	6	15	4	1	1	1	1	1	1	1	1	1	- 7	2	2	3	6		-
27			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	ō	o	0	ò	-
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28	0	0	0	0	0	0	1	1	0	0	0	0	0	0	o	o	1	1	1	ò	1	1		1	1
29	1	0	0	1	1	2	1	2	1	1	1	1	0	o	ō	1	1	- 4	3		1.5		1	1	0
30	4	4	3	2		1	2	2	1	1 •	•••	• • • •	ō	o	ŏ	ò	i	i	2	6	7	8	9 5	6	2
31	2	1	1	1	1	•	2	3	3	1	1	1	1	1		1	,	2	2			-		- 5	
MEAN				-											*	,	,	4	2	2	1	2	2	2	2
MEAN	1	1	1	0	1	1	1	2	1	1	1	1	1	1	1.	1	1	1	1	1	1	1	2	1	1.0

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	STAT	TION -	SE	NO 5	6051	M	EMORI	AL PA	RK YO	RK/TH	HIRD :	ST	CORNWA	LL		MON	H - N	10V	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	AN
1 2 3 4 5 6 7 8 9	1 6 0 1 0 0 1 0	1 3 0 2 0 1 1 0 0	0 3 0 1 0 1 1 0 0 1	0 2 0 0 0 1 1 0 0 1	0 0 0 0 0 0 1	0 1 0 0 0 1 0 0 1	1 2 1 0 0 1 1 1 1 1	1 2 1 0 0 1 1 1 1	1 2 1 0 1 1 1 1 1 1 1 1	0 1 1 1 1 1 1 1	0 1 1 1 1 1 1 1	0 1 1 1 1 1 1	0 0 1 1 1 1 1 1	0 0 1 1 0 1 1 1 1 1 1	0 0 0 1 1 1 1 1 0	1 0 1 1 1 1 1 1 1 1	1 2 2 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 2 0	1 1 2 1 1 1 1 1 1 0	3 1 2 1 1 1 1 1	5 1 2 1 1 1 1 1 1 0	3 0 2 1 1 1 1 1 1 0	4 0 1 1 1 1 1 1 2 1	5 1 1 1 1 1 0 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
11 12 13 14 15 16 17 18 19	1 0 0 0 0 0 0 1 0 1	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 1	0 0 0 1 1 0 0 1	1 0 0 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	1 1 1 1 1 1 1	1 1 1 0 1 1 1 1	1 1 1 0 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 8 2 1 1	1 1 1 1 1 2 1 1 1 1 1	1 1 1 1 2 2 1 1 1	1 1 1 2 1 1 1 1 1	1 1 1 2 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 0 1 1 1	1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 0 1 1 0 1 0 0	0 0 2 1 0 1 0 0 1 1	0 0 2 1 0 1 1 0	0 0 1 0 0 1 1	0 0 1 0 0 0 0 0 1 1	0 0 0 1 0 0 0 1 1	1 1 1 0 0 0 0 2 1	1 1 2 1 1 0 0 1 3 2	1 0 1 1 1 1 1 3 2	1 0 1 1 1 1 1 ****	1 0 1 1 1 1 1 1 1 1	1 1 1 1 1 2 2 1	0 1 1 1 1 2 2 2 1	0 1 1 1 1 2 2 1	0 0 1 1 1 1 1 1 1 2 1	0 1 1 1 1 0 2 2 2	0 1 1 1 1 1 2 4 2	0 1 1 1 1 1 1 6 2	0 1 1 0 1 1 2 1	0 1 1 0 1 0 3 1 2 1	0 1 1 0 1 1 3 1 2	0 1 0 1 0 2 1 1 1	0 1 1 0 1 0 1 1 1 1 2	0 2 1 1 0 1 1 1 1 1	0 1 1 1 1 1 1 1 2 1
MEAN	1	1	1	0	0	0	1	1	Ť	1	1	,	1	1	1	1	1	2	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- c	ARBON	MONO	XIDE							9	UNITS	- PAF	RTS/MI	LLION								
	STAT	ION -	SE	NO 5	6051	M	EMORI	AL PA	ARK Y	ORK/T	HIRD	ST	CORNW	ALL		MONT	тн - р	EC	77						
HOUR DAY	t	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	1 1 1 1 0 0 1	1 1 1 0 0 0 0 0	0 1 1 1 1 0 0 0 0 0 0	0011100000	0 0 1 1 0 0 0 0 1	0 1 1 1 0 0 0 0 1	0 1 1 1 0 0 0 0 0 1	1 1 1 2 0 0 1 1	1 1 1 2 1 1 1	1 1 1 1 **** 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 0 1	2 1 1 1 1 1 1 1 1 1	5 1 1 1 1 1 1 1 1	5 1 1 1 1 0 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 0 0 1 2 1 1	1 1 0 0 1 1 0 1	1 1 0 0 1 0 0 0 0	1 1 0 0 1 0 0 1	0 1 1 0 0 0 1	1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
11 12 13 14 15 16 17 18 19	1 0 1 0 1 0 0	1 1 0 1 0 0 0	1 1 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 1 0 1 0 0	1 0 0 0 1 0 0	1 1 0 0 1 0 1 0 0	0 2 1 1 1 2 1 1 0 1	1 1 1 1 1 1 1 1 1	0	2 2 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 2 2 1 1 1	1 1 1 1 2 2 1 1 2 2	1 1 1 1 2 2 1 1 2	0 1 1 1 1 2 2 1 0 2	1 1 1 1 2 5 1 0 1	1 1 1 1 7 1 0 0	1 1 1 1 1 7 1 0	1 1 0 1 0 3 1 0	1 1 1 0 1 0 2 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 0 0 0 1	00000000000	0 0 0 0 0 0 0 0	0000000000	0000000000	0000000000	0000000001	0 0 1 0 0 2 1 0 1	1 1 1 0 0 3 3 0 3	0 0 0 1 0 0 1 2 0 3	0 0 1 1 0 0 1 2 0 2	0 0 1 1 0 0 0 0 2 0 2	0 0 1 1 0 0 0 1 1 3	0 1 1 1 0 0 0 1 1 **** 3	0 0 0 0 0 1 1 1 3	0 1 1 2 0 0 1 1	0 1 5 0 0 1 2 2	1 0 2 0 0 1 2 2 1	1 0 1 0 0 0 0 2 1	2 0 2 0 1 1 2 1	3 0 6 0 0 1 2	1 0 0 2 0 0 0 1 1	0 0 0 1 0 0 1 2 1	0 0 0 1 0 0 3 1	0000
31	1	2	3	3	2	2	1	1	1	1	3	2	1	1	1	2	3	5	3	6	5	3	a	3	2
MEAN	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3, "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

			OUTLA . PARIS/MILLION	
STATION -	SE NO 56051 MEMORIAL PAR	K YORK/THIRD ST CORN	WAL (	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	17.1	2	4
FEB	25	1.2	2	
MAR	30	1.3	2	8
APR	30	1.0	2	5
MAY	23	0.4	ŕ	2
JUN	29	0.1	0	1
JUL	31	0.2	1	4
AUG	26	0.1	0	2
SEP	30	0.5	7	4:
ост	31	1.0	2	15
NOV	30	0.9	2	
DEC	31	0.8	2	10
YEAR	345	0.7	2	7
			2	15

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GRO	JP FREQUENC	Y DISTRIBL	TION FOR	1977			
POLLUTANT -	CARBON MONO	KIDE			ŭ	INITS - PAI	RTS/MILLION
STATION -	SE NO 56051	MEMOR	IAL PARK	YORK/THIRD S	T., CORNE	ALL	
MONTH (	00 TO 01 0;	2 10 03 0	4 TO 08	09 TO 13 14	TO 30 3	1 SOVER	TOTAL
JAN	606	103	1	0	0	0	710
FEB	545	86	6	0	0	0	637
MAR	634	75	5	0	o	0	714
APR	677	36	4	0	0	0	717
MAY	597	1	0	0	0	o	598
JUN	678	0	0	0	0	0	678
JUL	727	7	1	0	0	0	735
AUG	609	1	0	0	o	0	610
SEP	691	20	2	0	0	0	713
OCT	659	55	21	2	1	o	738
NOV	649	56	7	1	0	0	713
DEC	657	70	11	0	0	0	738
YEAR	7729	510	58	3	1	0	8301

FREQUENCY	DISTRIBUT PERCENT	ION BY P	ERCENTILES			CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	AR I TH ME AN
	94.8	0	0.0	0.0	0.2	0.6	0,9	1.4	2.0	2.8	15	0.7

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

	ST	ATION	- NE	NO	77016		ASH S	T WATE	ER TA	NK,	SUDBU	RY				MON	тн -	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	† 2	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4	0 0 0 1	0 0 1	0 0 1	0 0 1	0 0 0	0 0 1	0 0 1 1	0 0 1	0 0 2 1	1 1 2 1	0 1 1	0 0 1	0 1 1	0 1 2 1	0 1 1 1	0 1 1	1 2 2 1	0 2 1 1	0 1 1	0 1 1	0 1 1 1	0 1 1	0 1 1	0 1 1	0 1 1
5 6 7 8 9	1 2 1 10 1	1 0 7 1	1 0 7 1	1 0 4	1 0 2 1	1 1 1 2	1	1 1 1	1 2 1 1 1	1 2 1 1 1	1 2 2 1 1	1 2 1 1 1	1 2 1 2 1	1 2 1 2 1	1 1 2 2 1	1 1 2 2 1	2 1 1 2 1	6 1 1 3 1	5 1 2 1 3	6 1 2 1 3	8 1 2 1 3	8 1 2 1 3	8 1 7 1 2 0	5 1 9 1 1	3 1 2 2 2 1
11 12 13 14 15 16 17 18 19 20	0 1 2 1 1 1 2 4	0 1 2 1 1 1 1 2 0	0 1 1 1 0 2 0 1	0 1 1 1 1 1 1 1 1 0 1 0 0 0	0 1 1 1 1 0 1 0	0 1 1 1 1 1 0 1	0 1 1 1 0 1 2	1 1 4 1 1 0 1 1 1 1	1 4 1 1 0 1 1 2	1 1 4 1 1 0 1 1 2	1 1 4 1 0 1 1	1 1 3 1 0 1 1	1 1 3 2 1 0 1 1 0	1 1 2 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 2 2 1 0 1 1 1 1 1	1 1 3 2 1 0 2 1 1 1	2 2 3 2 1 1 3 1 2 1	1 2 2 2 2 0 1 3 0	1 2 1 1 0 1 3 0	1 1 1 0 0 2 0 1 1	1 1 1 0 0 2 0 2	1 2 1 1 0 0 3 0	1 1 1 1 1 4 0	1 1 2 1 1 1 1 1 1 1 1 1 1 1
21 22 23 24	1 0 1	0 3	0 0 4 1	0 0 5	0 0 3 1	1 1	1 1 1	1 0 1	1 0 1 1	1 1	1 1 1	0 1 1	1 1 1	1 1 1	0	0 1 1	1 1 1	1 0 1	1 1 1	1 1	0 1 1	0 1 1	0 1 1	0 1 1 + * * *	1 1 1
25 26	****	****			****	****	****	****	****	****	****	****	DATA		****	****	2	2	4	1	1	1	1	1	*****
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28 29	1	1	1	3	1	1.	1	3	5	5	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	- 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	O	0	0	0	0	0	0	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	38	1	1
MEAN	1	1	98		1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	3	1	1 1

PERCENTAGE OF DATA VALID - 93.3 PERCENTAGE OF DATA INVALID - 6.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY MONTH - FEB 77 10 11 12 13 16 17 18 19 20 21 22 23 24 MEAN 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 20 1 0 0 0 0 21 22 23 24 25 26 27 28 O MEAN

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*" INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

																		-							
	STA	TION -	NE	NO	77016	1	ASH ST	WATER	TAN	ıK,	SUDBU	ΥP				MON	TH - M	MAR	77						
DAY	t	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
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3	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	- 1	•	2	-	2			4	- 2	1
4	1	1	1	1	1	1	1	1	7	1	1	1	- 7	7	1	4.	•	- 1	1		-			5	2
5	1	1	1	0	0	0	0	1	1	0	i	o	•	ò	o	- 1	- 1	- 4	- 2			- 1	4		1
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9	2	1	1	1	1	1	2	3	à	2	100	•				- 1	- 1	- 1	- 1		- 1			1	1
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11	2	3	2	1	1	1	1	1	2	1	1	1	1	1	•	1	2	2	2	~		5	5	4	
12	2	3	3	2	1	1	1	1	ī	,	- 9	1	1	•		-	5	2	1	3	2	•	?	7	2
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15	5	5	4	2	2	2	1	2	2	1	1	•	ĭ	ĭ	ĭ	ĭ	- 1		2	2	4	1	2	4	1
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26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		•	- 1	- 1	i	- 1	
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28	1	1	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	- 7	1	- 1	- 1	- 1		4
29	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1			- 1	- 4		1	
30	1	2	2	1	1	1	2	2	3	2	1	1	1	1	1	0	0	0	o	ò	ò	ò	ò	ò	i
31	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1	1	1	0	1	0	0	0	0
MEAN	1	,	1	1	11	1	1	1	1	1	3	1	1	1	1	Ĩ	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY MONTH - APR 77 HOUR 9 10 11 12 13 14 16 15 17 18 19 20 21 22 23 1 2 3 4 5 6 7 8 9 0 0 0 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 MEAN 1.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY MONTH - JUL 77 HOUR DAY 12 13 20 21 22 23 24 MEAN 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 ò DATA UNAVAILABLE DATA UNAVAILABLE 22 23 24 25 26 27 28 29 30 MEAN

PERCENTAGE OF DATA VALID - 90.1

PERCENTAGE OF DATA INVALID . 0.7

PERCENTAGE OF DATA UNAVAILABLE - 9.3

1.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - CARBON MONOXIDE UNITS - PARTS/MILLION STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY MONTH - AUG 77 HOUR 9 10 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 1 4 0 0 0 0 0 .00000 22 23 24 25 26 27 28 29 30 ...0 20000-0 \*\*\*\* MEAN 0.5

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID . 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - CARBON MONOXIDE

														04112	PA	KIS/M.	LLLIC	)N								
	51	TATION	· NE	NO	77016	5	ASH	ST WA	TER 1	ANK.	SUDB	URY				MONT	гн -	NOV	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	1			0	0							-	197	20	5	- 3		12.5		
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17		â	2	- 1		- 1	- 1	1		- 1	1	1	1	1		1	2	2	1	1	1	1	2	3		1
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MEAN	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	o	0	0.	6

PERCENTAGE OF DATA VALID - 83.1 PERCENTAGE OF DATA INVALID - 16.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- с	ARBO	N MONO	KIDE								UNITS	- PAF	RTS/M	ILLION	ė							
	STA	TION -	NE	NO	77016	A	SH ST	WATER	TAN	K.	SUDBL	JRY				MON	rH - D	EC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9 10	-000000-00 0000	000000000000000000000000000000000000000	0000000000 1000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000	000000000000000000000000000000000000000	1 0 0 0 0 1 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0	1000101200	100000000000000000000000000000000000000	1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1000001100000001111	1 0 0 0 0 1 0 0 0 1 1 1	10001100	0 0 0 0 1 1 1 0 0 1 1 2 2	0000110100	0 0 0 0 0 1 0 0 0 1 1 1 1	0000000000	0000000000000010011	0000010000	000000000001011	0000000000000011	000000000000000000000000000000000000000
15 16 17 18 19 20	1 0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 0	2 1 0 0 1	2 0 0 1 0	1 0 0 1	1 0 0 1	0 0	0 0 1 0	0 1 0 0 1	0	0 0 1	2 1 0 0 1 0	0 0 2 1	0 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 0	0000	0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 1 2 0 1	0 0 0 1 1 5 0 1	0 0 0 0 1 1 2 0 2	0 0 0 0 0 0 0 1	00000000001	000000000	000000011	0 0 0 0 0 1 1	100000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 0 0 0 2 2	1 0 0 0 1 0 0 0 2 2 1	1 0 0 0 0 2 2 1	00001000221	000000000000000000000000000000000000000	0 0 0 0 0 0 2 5 1	1 0 0 0 0 0 1 1 6 1	1 0 0 0 0 1 1 1 6 1	1000013121	2 1 0 0 0 1 5 1 1 1	1 0 0 0 0 1 4 0 1 1	0 0 0 0 2 1 1 0 1 1	0 0 0 0 1 0 1 1	0 0 0 1 1 2 1
31 MEAN	0	0	2 0	0	0	2 D	9	3 0	3 1	1	3	1	1	1	1	1	1	5 1	1	3	1	1	3	0	3 0.5

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION NORTH/GENEVA STREET, ST. CATHARINES MONTH - FEB 77 STATION - WC NO 27037 B 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR DAY - DATA UNAVAILABLE -2 3 4 5 6 7 8 9 - DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE 11 12 13 14 15 16 17 18 19 5 4 4 3 55443 5 5 5 4 3 4 5 3 4443 6 4 4 3 3 3 21 22 23 24 25 26 27 28 3 5 2 35222222 3723121 462352 54233213 3 5 82222 6 10 3 7 2 2 2 2 3 4 1 4 7 2 4 2 3 2 2 2 2 2 1 2 6 2 3 3 3.2 3 3 3 3 3 3 3 3 4 4 3 3 3 3 MEAN 3 3 3 3 3

PERCENTAGE OF DATA VALID - 42.6

PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 55.7

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA 15 UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	REACT	IVE H	YDROC	ARBON	S (NO	N-MET	HANE)				UNITS	- 0.	1 PAR	TS/M1	LLION								
	ST	ATION	- wc	NO	27037		NORTH	/GENE	VA ST	REET.	ST.	CATH	ARINE	5		MON	тн -	MAR	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	2	1	1	5	3	2	1	1	1	2	1	3	2	1	1		1	О	0	1	1	
2	O	0	0	0	0	0	1	3	3	1	1	1	- 1	- 1	1	1	2	1	1	1	1	1	1	1	- 1	
3	- 1	1	1	1	1	1	1	2	4	3	2	1		-1	2	2	2 2 2	2	2	1	1	1	1	- 1	2	
4	1	1	1	1	2	1	2	2	2	3	3	3	3	2	1	1	2	,	1	0	1	0	0	0	1	
5	o	o	o	0	0	0	0	0	0	0	0	0	1	1	0		0	0	0	0	0	0	0	٥	0	
6	0	ō	ō	0	0	0	0	0	0	0	0	1	0	0 2 1	0 0	0	0	1	0	0	0	D	o	0	0	
7			0	0	1	0	1	10	7	1	2	5	1	2	0	0	1	2	1	1	0	1	a	0	2	
8	0	0	ō	0	2	1	2	5	0 7 3	4	2	1	0	1	0	1	3	1	2	2	1	0	0	0	1	
9	0	0	0	0	0	0	0	0	t	1	1	1	1	2	2	2	2	1	0	0	0	0	0	0	1.	
10	o	ō	ō	0	0	0	0	5	4	1	3	2	2	3	4	3	4	4	4	4	5	5	4	2	2	
																	7.0	125	-	0.20	227	200	4.5		-	
11	2	1	5	3	6	4	8 2 0	20	12	3	4	4	3	3	2	2	3	3	3	4	5	9	11	4	5	
12	3	2	2	2	2	2	2	2	2	2	2	2	2	3	5	3	3	4	3	1	. 1	1	0	0	2	
13	0	0	0	0	0	0	0	0	0	0	1	1	0	D	0	0	0	t	2	4					Ü	
14														INVAL												
15														INVAL												
16													DATA	INVAL	ID -		1.2	12								
17											1	1	1	1	1	0	1	0	1	1	1		1	1	*****	
18	1	1	1	1	1	1	1	1	1	1	- 1	2	1	1	1	1	1	0	0	0	0	0	0	0		
19	0	0	0	0	0	0	0	1	4	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0		
20	1	1	2	2	2	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	O	0	1	
																24.0	-		1.6	100						
21	0	0	0	0	0		1	4	5	2	1	2	1	4	1	1	2	1	1	1	1	0	0	0	ò	
22	0	0	0	0	0		0	0		0	0	0		2	0	0	0	0	0	0	0	0	1	o	·	
23	0	0	0	0	0		0	3	2	0	0	1	0	1	: ·	2	1	1	0	1	1	1	ò	ő	1	
24	0	1	1	1	1	1	1	1	1	,	1	1	•	1	1	1	1	1	0	0	0	0	ő	ő		
25	0	0	0	0	0	0	1	1	1	1	1	2	1	1	0	- 1	0	0	0	o	- 1	1	٠	1		
26	0	1		0	0		3 7	2	1	1	0	0	0	0	0	0	0	1	1	- 1		2		- 1	4	
25 26 27 28	1	1	2	4	5	3		5	3 2	2	0	1	1	1	1	1	2	2	2	1	1	- 1	3		-	
28	0	0	1	1	0		0	1	2		2	2	2	2	2	2	2	2	1	2	2	*	3	,	2	
29	1	1	2	1	1	2	3	6	2	3	5	5	6	3	2	2	3		1	1	2	2				
30	2	2	1	1	3	3	7	6	3	2	2			****	••••			••••						•••		
31	••••	••••						••••	••••	••••	••••	••••	••••	• • • •	2	2	1	0	0	0	1	0	0	0	• • • • • •	
MEAN	16	1	1	1	1	i	2	3	3	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1.2	j.

PERCENTAGE OF DATA VALID - 84.5

PERCENTAGE OF DATA INVALID - 15.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT . REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION NORTH/GENEVA STREET, ST. CATHARINES MONTH - APR 77 STATION - WC NO 27037 19 20 21 22 23 24 MEAN 10 11 12 13 14 15 16 17 18 HOUR DAY 6 2 0 2 0 6 10 15 10 10 11 12 13 14 15 16 17 18 19 20 14 2 6 11 6 3 9 8 0 0 21 22 23 24 25 26 27 28 3.3 3 3 3 4 4

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	INT -	REACT	IVE H	YDROC.	ARBONS	(NON)	MET	HANE)				UNITS	- 0.	1 PAR	TS/MI	LLION							
	\$T	ATION	· wc	NO.	27037	1	NORTH/	GENEV	A ST	REET.	ST.	CATH	ARINE	S		MON	TH -	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	3 1 3 9 0 1 1 3 0	2 1 3 3 1 1 1 2 0 1	2 1 4 2 0 1 1 1 0 0	2 1 3 2 0 1 1 0 1	2 1 2 1 0 1 0 0	2 1 3 2 1 1 0 1 0 1	2 1 1 3 5 7 0 1 1 1	2 2 4 4 2 0 1 1 1	2 3 2 6 2 1 1 0	3 2 **** 2 1 2 1 0 1	2 2 **** 1 3 2 1 1	2 56	2 34 **** 2 3 1 1	2 9 1 2 5 2 1 1 0	2 3 1 2 6 3 1 1	2 1 2 5 4 1 1 0	1 1 2 2 2 2 1 0 0 1	2 2 1 2 3 1 1 1 0 1	2 2 1 1 4 1 1 0 1 1	2 4 2 1 2 2 2 1 1 0	3 2 1 1 3 3 1 1 1	2 3 3 1 1 3 4 1	1 3 3 1 0 2 3 0 0	1 4 4 0 1 1 3 0	2 2 2 2 1 1 1 1
11 12 13 14 15 16 17 18 19	3 2 1 3 27 3 0	1 1 1 17 3 0	3	1 2 0 3 5 3 1	0 0 3 6 2 0	2 1 0 2 7 4 0	2 5 1 3 2 4 6	1 3 2 1 2 3 5 3	1 5 1 1 2 2 2 5	2 2 0 0 2 2 2 2	2 2 1 1 2 2			1 2 3 1 1 2 3  I NVA I		1 6 3 0 1 4 3	1 3 0 0 3 3	1 1 1 0 1 3	1 2 3 1 0 1 2	1 1 5 1 1 1 2	1 1 5 2 2 1 1 1	1 1 2 2 2 1 1 1	2 1 2 3 2 1 0	2 1 2 7 2 1 0	1 2 2 4 2 2
21 22 23 24 25 26 27 28 29	1 3 4 0 · · · · · 2	1 3 1 0 · · · · ·	**** 1 2 0 ****	**** 2 2 1 ****		3 3	**** 4 4 4 **** 2	4 4 3 1	3 3 0 ***	**** 2 2 3 1 0	**** 2 2 3 1 0 1	0.5	DATA DATA **** 4 3 4 3 0	I NVAI I NVAI 3 4 3 1 3 0	3 3 3 3 3 3	4 2 2 1 3	4 2 1 1 2	1 2 1 1 1	2 2 2 1	3 2 3 0	3 2 2	5 2 3 0	2 2 4 0	2 3 4 0 ••••	2 3 2
31 MEAN	3		2	2	1	2	3	5	2	2	1	1	4	2	3	4	3 2	3	1	2	2	1	1	2	2.1

PERCENTAGE OF DATA VALID - 74.3

PERCENTAGE OF DATA INVALID - 22.0

PERCENTAGE OF DATA UNAVAILABLE - 3.6

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS . D.1 PARTS/MILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH - JUN HOUR 20 21 22 23 24 MEAN 3 4 5 6 7 8 9 10 3 2 2 12 13 14 15 16 17 18 19 20 3 1 3 1 2 1 1 2 1 1 5 3 2 1 0 1 1 4 3 6 3 3 1 2 4 1 2 3 3 1 3 1 2 1 2 2 2 1 2 22 23 24 25 26 27 28 29 30 1 2 5 3 2 1 5 2 3 1 4 2 1 5 2 3 2 1 0 3 1 3 3 2 2 2.1 

PERCENTAGE OF DATA INVALID . 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.1 PERCENTAGE OF DATA VALID - 99.4

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE \*- INDICATES DATA IS UNAVAILABLE

MEAN

3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS . O. 1 PARTS/MILLION POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) NORTH/GENEVA STREET, ST. CATHARINES MONTH - JUL 77 STATION - WC NO 27037 13 14 24 MEAN HOUR 3 4 5 6 7 8 9 10 1 2 12 13 14 15 16 17 18 19 2 2 0 0 1 0 0 1 0 2 0 0 3 1 1 0 0 1 0 1 0 0 1 0 0 ò ò 22 23 24 25 26 27 28 29 30 1 1 1 1 1 O 1 DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE - DATA UNAVAILABLE -1 1 2 1 1.1 1 1 1 1 2 1 MEAN

PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 23.1 PERCENTAGE OF DATA VALID - 75.7

- -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION

					4 5.05		110000	2 4 112						Contract 6												
	ST	ATION	- wc	NO	27037		NORTH	/GENE	VA ST	REET.	ŞT.	CATH	ARINE	ES		MON	тн - д	LUG	77							
HOUR	1	2	3	4	5	6	7	. 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9												- DA - DA - DA - DA - DA - DA - DA	TA UN TA UN TA UN TA UN TA UN TA UN	NAVAII NAVAII NAVAII NAVAII NAVAII NAVAII NAVAII	ABLE ABLE ABLE ABLE ABLE ABLE ABLE ABLE	* : : : : : : : : : : : : : : : : : : :										
11 12 13 14 15 16 17 18 19	*****	****	****	****		****	****	****	****	••••	<b>2</b> 0	- DA - DA - DA - DA	TA UN TA UN TA UN TA UN TA UN	I LAVAN I LAVAN I LAVAN I LAVAN I AVAI I AVAI I AVAI		± = =	3 1	2	2	2 2	2 3	1 2	1 2	1 3		
21 22 23 24 25 26 27 28 29 30	5 0 2 1 1 5 2 3 2 4	3	4 0 1 0 0 2 2 2 3 3	1020032224	0 0 1 0 0 3 2 3 2 3	***** 0 1 0 0 2 3 3 3 4		0 1 0 1 3 3 2 2 3	0 2 1 0 2 2 3 2 2 3	0 1 2 1 2 2 3 2 ****	1 1 2 1 2 2 3 2	1 1 1 2 2 3 3 3	1 1 2 1 2 3 3 3 ****	2	1 2 1 2 3 3 3 4 3	1 2 1 2 3 3 3 4 4 2	1 20 2 2 2 3 3 4 1	1 1 0 1 2 3 3 3 4 2	0 1 0 0 2 3 3 2 4 2	0 2 0 1 6 3 3 2 5	0 2 1 1 8 4 5 2 3	0 2 1 1 6 4 4 2 4 3	1 2 1 5 1 3 2 4 3	1 2 0 0 5 1 2 2 3 3	1 2 3 3 3 3	
31	3	4	2	2	5	7	7	3	-1	1	1	1	1	1	1	2	2	3	2	2	2	1	2	1	2	

PERCENTAGE OF DATA VALID - 39.2 PERCENTAGE OF DATA INVALID - 7.5

PERCENTAGE OF DATA UNAVAILABLE - 53.2

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)													UNITS	- 0.1	PAR	S/MIL	LION								
	STA	TION -	WC	NO 2	7037	i	NORTH/	GENE	VA ST	REET.	ST.	CATH	ARINE	s		MON	TH - 9	EP	77							
HOUR	1	2	3	4	5	6	7	8	9	10	ri	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5	1 3 5	1 1 3 5	1 0 2 6 2	2 0 1 3 2	2 0 1 3	1 0 2 1	1 0 2 2	2 1 1 0 2	1 0 1	3 1 0	2 2 1 1	**** 3 2 1	**** 3 2 1	1 4 2 1	1 4 2 1 2	1 3 2 1 2	1 4 2 2 2	1 6 2 2 2	2 5 3 4 2	2 4 2 4	1 4 2 5 2	1 5 2 4 2	2 4 3 3	1 3 5 2		1 3 2 2 1
6 7 8 9	1 1 1 2	2 4 1 0 2	2 4 1 0 2	1 1 2	1 0 1 1	1 0 2	2 3 1 0 2	2 1 0 2	2 0 1 	1 0 1 2 2	1 0 1 2 2	1 1 2 3	1 1 3 4	1 1 2 3	1 2 3 -	1 1 3	1 1 3	2 1 1 2	2 1 2 2	2 1 2 3	3 1 2 2	3 1 2 2	3 1 3 2	4 1 1 2		1 1 2
11 12 13 14 15 16 17 18 19 20	2 2 3 1 3 5	2 3 4 2 2 3 3 0	2 2 5 2 3 3 4	2 1 6 2 3 2 3 0	1 1 4 2 2 2 2 3 0	2 2 2 1 3 2 3	3 2 4 2 3 2 3	4 1 3 2 3 2 3 3	4 0 0 3 3 2 3 4	2 3 0 0 6 2 2	2 3 0 1 4 2 2 2 2	- D4 2 4 0 0 2 2 2 1 2	1 1 UN 2 4 1 4 2 2 1 1	AVAIL 3 4 1 1 4 2 2 1	ABLE 2 4 1 2 2 2 1 2	3 4 1 2 4 2 2 2	7 3 0 2 4 2 3 2	6 3 1 2 4 2 3 1	5 2 1 2 4 3 3 1	4 2 0 3 4 3 2 0	4 3 0 3 4 7 2 1	4 25 0 3 4 5 2 0	3 6 4 2 3 5 3	2 2 4 2 3 4 4 0		4 1 3 3 3 2 2 1
21 22 23 24 25 26 27 28 29 30	0 1 1 2 0 0 0 1 2	0 1 0 1 2 0 0 0 1 1	0 1 0 1 1 0 0 0 0 0	1 1 0 1 1 0 1 0	0 0 0 1 1 1 1 0 0 1	0 1 1 1 1 1 0 1 2	0 1 1 1 1 1 0 5	1 2 1 1 2 3 1 0 6 3	1 1 1 2 2 1 2 2	1 1 1 1 1 2	1 1 2 1 3 **** 1 1 1 2	0 1 1 2 1 1 1 1 1 1	1 1 2 1 1 1 2 2	1 1 2 0 1 2 2 2 1	1 1 2 2 1 1 3 1 2 4	1 1 2 2 1 2 1 1 5	2 1 1 2 0 1 1 2 7	1 1 2 0 1 2 2 6	1 3 2 1 3 1 1 1 3	1 2 1 1 2 0 0 1 2 2	1 1 2 0 0 1 1 1 1	1 2 1 1 0 0 1 1 1	1 1 2 0 0 0 2 2 3	000000000000000000000000000000000000000		1 1 1 1 2 2
MEAN	2	2	2	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	2	2		1.8

PERCENTAGE OF DATA VALID - 92.4 PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 5.8

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH - OCT 77 HOUR 13 14 20 21 22 24 MEAN 0 0 1 0 0 1 1 0 0 2 0 2 0 3 4 5 6 7 8 9 1 2 1 2 12 13 14 15 16 17 18 19 2 16 3 1 12 3 22 23 24 25 26 27 28 29 30 10 2 5 10 2 3 5 9 1 9 5 15 1 12 4 10 0 9 2 

1 \*\*\*\*

2.0

PERCENTAGE OF DATA VALID - 94.6

MEAN

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 3.2

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NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

\*- " INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION STATION - WC NO 27037 NORTH/GENEVA STREET. ST. CATHARINES MONTH - NOV 77 HOUR 17 18 24 MEAN 3 2 2 2 2 12 13 14 15 16 17 18 19 ò ò ò 22 23 24 25 26 27 28 29 MEAN 1.8

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE . D. 1

- .. INDICATES DATA IS UNAVAILABLE
- 3. " \*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVA	ILABLE	
FEB	1.1	3,2	5	11
MAR	25	1.2	5	20
APR	30	3.3	9	15
MAY	22	2.1	6	56
JUN	30	2.1	5	36
JUL	22	1.1	3	16
AUG	12	1.9	3	8
SEP	27	1.8	4	25
OCT	29	2.0	5	29
NOV	30	1.8	6	55
DEC	22	1.7	4	7
YEAR	260	2.0	9	56

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH 00 TO 10 11 TO 19 20 TO 30 31 TO 60 61 TO 90 91 - 140 141- 200 20180VER TOTAL JAN DATA UNAVAILABLE FEB Ō MAR 0 629 APR MAY О JUN JUL AUG SEP OCT NOV DEC . 0 YEAR FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT OF DATA FREQUENCY DISTRIBUTION, PERCENT 50 70 90 95 MIN 10 30 MAX 79.6 0 0.0 0.4 1.0 1.8 3.6 4.8 7.0 8.7 2.0

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION

	POLEGIANT - REACTIVE INDIVOCARDONS (NOT INCIDENCE)												100	70.50 M	20/00/0	1,000	57.5								
	STATION - WC NO 29025						ARTON	/WENT	WORTH	HAMI	LTON					MONT	H - J	AN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9												- 0 - 0 - 0A1 - DA1 - DA1	ATA I ATA I ATA I A UNA A UNA A UNA A UNA	NVALI NVALI NVALI NVALI VAILA VAILA VAILA VAILA	D - D - BLE - BLE - BLE - BLE -										
11 12 13 14 15 16 17 18 19	14 12 13	13 12 13	14 12 13	14	15 13 12	16 13 12	17 15 12	17 16 13	17 16 14	15 13	16 15 14	- DA	TA UNA TA UNA TA UNA	AVAILA AVAILA AVAILA AVAILA AVAILA 14 16 14	BLE BLE BLE BLE		14 14 15 17	13 12 14 17	14 11 13 17	13 11 14 17	15 12 14 17	13 11 14 18	15 11 14 17	15 • 11 14 16	14 14 15
21 22 23 24 25 26 27 28 29 30	17 16 17 15 17 15 17 15 11 12	16 17 18 15 17 14 9 14	15 17 20 16 17 14 9 15	14 17 19 15 16 13 10 16	13 15 18 16 16 14 9 17	13 15 18 17 15 14 9 17	14 15 17 18 17 14 9 18 10	14 15 18 19 17 14 9 19 11	15 14 17 20 18 15 10 19 11	15 13 16 19 17 16 10 21 11	15 13 16 19 17 16 11 22 10	15 13 15 19 16 16 11 20 10	15 14 16 18 17 17 10 11	14 14 16 18 14 16 11 9	14 13 17 18 15 14 12 9 12	14 15 18 20 15 15 13 10 12	15 16 19 22 15 17 13 9 13	16 17 18 21 13 17 14 10 13	16 16 18 21 13 15 14 11 12	16 16 18 21 13 13 14 10 12	17 15 18 20 14 12 13 10 11	17 17 16 19 14 14 12 9	16 17 15 19 14 13 12 10 11	16 17 15 18 15 11 13 9 12	15 15 17 18 16 15 11 14 11
31 MEAN	11	12	10	10	10	11	10	10	11	11	11	11	14	12	13	14	13	13	14	13	13	13	13	13	14.2

PERCENTAGE OF DATA VALID - 46.4 PERCENTAGE OF DATA INVALID - 11.0 PERCENTAGE OF DATA UNAVAILABLE - 42.6

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION																								
	ST	ATION	- WC	NO	29025		BARTO	N/WEN	TWORT	н нам	ILTON					MON	тн -	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
3	13	13	12	12	13	13	13	14	15	15	14	16	16	15	15	15	16	16	18	19	18	18	17	16	15
2	16	16	16	16	16	16	1.7	18	19	18	18	17	16	16	16	16	16	17	17	16	16	1.6	16	17	17
3	17	16	18	16	16	16	17	18	18	15	13	13	13	13	12	1.1	13	14	14	14	14	14	15	15	15
4	16	16	17	17	17	18	20	22	21	18	14	15	15	15	15	15	15	16	15	15	15	15	15	15	16
5	16	16	16	16	15	14	14	15	15	15	14	13	13	13	12	12	12	13	13	13	13	13	14	15	14
6	15	15	15	15	14	15	15	15	15	15	14	14	14	14	14	14	14	13	14	13	12	12	12	13	14
7	15	15	1.5	15	15	15	15	15	15	15	15	16	16	16	16	14	19	19	19	18	17	17	16	16	16
8	17	17	17	16	16	16	17	1.9	19	1 B	17	17	17	16	17	18	17	16	16	18	18	16	15	14	17
9	14	14	14	14	1.1	10	7	12	13	13	12	1.1	100				• • • •							24	*****
10	****	****	****	****		****	* * * *	***			****	****	* * * *		16	17	18	19	21	20	20	21	22	24	*****
11	22	16	14	14	14	14	14	14	14	13	12	12	13	12	13	17	20	22	22	21	21	21	21	21	1.7
12	21	22	22	21	21	21	21	20	21	22	22	22	23	22	21	21	21	24	24	24	25	25	25	26	22
13	25	22	18	15	13	13	13	13	12	12	12	12	12	1.1	11	12	13	13	12	12	12	12	12	12	14
14	12	12	12	13	13	14	14	15	15	15	13	13	12	12	13	13	13	13	13	13	14	14	15	15	13
15	16	15		16		16	17	17	17	16	15	14	14	14	14	15	15	16	15	15	16	16	16	17	16
16	17	17	17	18		18	18	17	17	17	15	14	13	13	13	1.4	15	16	16	17	17	16	16	17	16
17	18	17	1.7	16		16	16	17	18	18	18	18	18	18	17	19	20	20	21	21	21	20	20	19	18
18	18	18	17	17		18	18	20	20	18	16	17	17	16	16	15	1.7	18	17	16	16	15	15	15	17
19	15	14	1.4	15		17	17	16	14	14	14	13	12	12	13	14	14	15	16	16	16	15	15	15	15 16
20	14	15	15	16	17	17	18	19	19	20	19	19	17	16	16	15	1.4	14	1.4	1.4	13	13	14	14	16
21	16	16		15				17	17	16		15	15	15	16		17	17	17		18	18	17	16	16
22	16	16	****	****	****	****	****				****	****		****				****		****	****				*****
23												1.71		INVA											
24												25		INVA											
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28												- D	ATA U	NAVAI	LABLE										
MEAN	17	16	16	16	15	16	16	17	17	16	15	15	15	15	15	15	16	17	1.7	17	17	16	16	17	15.9

PERCENTAGE OF DATA VALID - 71.6 PERCENTAGE OF DATA INVALID - 11.9

PERCENTAGE OF DATA UNAVAILABLE - 16.5

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION

	S	TATIO	N - W	C NO	29025	5	BART	ON/WE	NTWOR	тн на	MILTO	N				MO	NTH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- D	ATA U	NAVAT	LABLE										
2															LABLE										
3															LABLE										
4			9.00				*		140			190	14	14	11	11	13	20	15						
5	9	8	7	8	9	9	10	1.1	10	9	8	8	8	9	8	8	8	10	10	9	8	9	10	9	••••
6	12	12	1.1	12	12	12	12	12	12	14	14	14	14	13	13	14	14	15	15		11	11	10	11	
7	16	15	14	14	14	13	14	14	14	15	15	15	15	14	14	13	15		15	15	15	16	15	15	
8	14	14	13	13	14	14	15	16	17	15	14	13	13	13	13	10	14	15		14	13	13	13	14	
9	17	15	15	15	15	14	14	15	14	14	16	16	15	14	13	12	12		22	25	26	24	22	19	
10	16	22	22	21	22	21	19	20	21	19	18	18	20	20	19	19	23		14	15	14	14	14	12 46	
11	45	41	36	35	37	42	49	50	50	49	48	44	41	36	22	24	26	30	34	34	31				
12	34	30	29	31	28	24	21	21	21	22	19	18	19	23	26	23	22	24	23			29	30	33	
13	28	28	22	19	18	17	18	22	23	20	17	16	17	18	20	21	24	25	25	21	20	21	23	25	9
14	22	22	22	20	18	19	20	21	20	18	18	17	14	16	19	21	20	25		28	28	27	24	24	3
15	27	31	30	28	26	26	27	30	32	28	26	23	24	24	25	29	29	26	24	28	27	27	27	29	
16	26	24	19	14	13	13	14	15	15	12	10	11	11	10	25	10	11	11	24	22	23	23	23	26	
17	1.1	10	10	1.1	11	1.1	12	12	12	11	11	11	12	15	16	17	17	18	1.1	12	1 1	11	11	11	1
18	16	13	10	9	8	8	9	9	9						10	12	14	13	17	17	16	16	17	16	
19	15	15	14	14	13	14	14	16	16	16	15	14	15	16	16	18	18	18	16	1.1	12	13	13	13	
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21	12	12	12	12	12	12	12	• • • •							18	20	21	19	17	17	16	16	14		
22	11	12	9	8	8	7	7	8	8															12	
23													DATA	INVA	ID -							7.7.1.		••••	
24								••••		10	1.1	11	11	11	10	10	11	11	1.1	1.1	12	14	15	16	
25	16	16	16	17	16	17	18	19	19	****	16	15	14	13	13	14	14	14	14	15	15	15	15	14	
26	14	15	15	16	16	1.7	18	17	17	16	16	17	18	19	21	22	23	24	21	19	18	18	17	17	,
27	18	19	20	21	20	19	18	18	18	17	19	18	18	17	16	15	14	13	14	17	18	18	19	20	
28	21	20	18	18	18	18	19	19	18	19	19	20	19	19	20	22	24	25	23	18	18	19	20	21	1
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30	33	38	39	42	36	32	35	36	33	34	31	23	17	10	11	13	15	17	20	23	26	29	22 28	30	1
31	27	24	19	21	18	17	16	15	14	13	10	10	10	9	10	11	10	10	10	10	Î1	11	11	10	1
		20	18	18	18	17	18	19	19	18	18	17	16	16	15	16	17	18	18	18	18			-	

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)										)			UNITS	- 0.	1 PAR	TS/MI	LLION	4						
	51	101 TAT	- wc	NO	29025	5	BART	ON/WE	NTWOR	тн на	MILTON	4				MON	TH -	APR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	10	10	10	9	11	12	14	13	13	13	14	13	12	15	16	14	14	13	13	14	11	11	11	4.5
2	10	9	9	10	12	12	12	13	13	14		17	18	19	19	21	22	22	24	26	22	18	16	17	12
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4	13	11	10	10	9	9	8	8	8	7	8	9	8	9	9	10	11	12	12	12	13	12	12		15
5	17	21	23	22	17	15	12	11	11	10	10	9	9	9	10	11	12	13	15	15	14		14	14	10
6	13	13	14	14	13	12	12	12		12	9	9	9	- 5	9	8	8	8	8	9		15	10	14	14
7	1.1	1.1	11	12	12	12	13	13	12	10		10	11	11	11	12	13	15	15	14	. 9		9	11	11
8	9	8	8	8	9	9	9	В	8	9	9	10	10	10	9	9	9	9	8	9	12	11	12	12	12
9	13	14	14	15	16	17	17	17	16	15	15	14	15	15	15	16	16	17	18	19	21	19	17		9
10	17	19	18	18	19	21	20	19	18	18	19	21	20	19	21	22	25	26						17	16
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14	27	28	24	25	22	22	21	24	26		29	22	21	19	16	15	15	18	18	22	26	30	26	30	23
15	16	17	16	16	15	19	19	22	20	19	21	23	24					16	17	22	24	24	21	18	22
16	27	26	26	26	25	24	24	24	25	25	25	28	30	26	29	29	30	31	31	31	33	32	31	27	24
17	33	31	28	25	25	24	26	24	25	25	26	26	28	29	27	26	24	23	22	23	25	27	31	31	26
18	29	26	30	30	32	34	35	31		29	28			28	27	26	27	28	31	29	32	32	33	30	28
19	35	30	28	27	26	22	24		28			30	33	29	28	31	35	37	39	39	39	36	36	32	32
20	32	31	33	33	35	36	37	24 39	26	32 38	23 36	20 41	18	18	17	18	18	19	21	24	25	30	31	31	24
		31	33	33	33	30	3/	39	42	38	36	41	37	30	21	21	20	20	••••	••••		••••	••••	••••	32
21					• • • •		••••			****			• • • •	7	7	7	8	10	10	12	15	16	17	17	
22	19	19	18	19	18	17	19	20	19	17	17	16	18	21	23	24	25	23	21	19	20	17	16	10	19
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24	1.1	12	14	13	13	13	12	12	12	12	12	12	12	13	13	14	14	14	14	14	14	14	14	13	13
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26	13	13	13	13	14	15	15	15	14	14	13	1.1	11	15	15	17	20	19	21	21	22	21	20		
27	20	16	15	14	14	13	15	15	15	12	15	17	16	12	11	12	14	13	15	15	14	13	13	13	16
28	17	17	16	14	1.1	10	11	11	11	11	12	12	13	15	18	20	19	15	12	11	14	11	13		14
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30	14	16	14	14	14	15	14	14	16	19	23	24	24	22	21	19	19	17	17	20	18	17	17	16	13
MEAN	18	18	18	17	17	17	18	18	18	17	18										24		25	24	19
Service Process		. 0	10	. ,	1.4	1,7	18	18	18	1.7	18	18	18	17	16	17	18	18	18	19	20	19	19	19	17.8

PERCENTAGE OF DATA VALID - 97.1 PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON MONTH - JUL HOUR 1.1 24 MEAN 23 30 20 25 39 23 28 27 24 21 31 23 25 32 23 28 26 19 21 29 25 26 38 25 28 26 21 21 28 25 25 35 23 24 26 22 20 28 25 28 30 24 26 24 20 20 28 25 28 33 26 21 28 27 28 30 25 22 20 25 29 21 26 25 22 20 1 2 3 4 5 6 7 8 9 10 28 20 25 34 22 28 27 24 28 19 24 33 23 28 27 24 30 20 24 33 23 28 26 23 31 24 26 40 25 28 26 19 28 25 23 33 23 24 26 22 28 25 27 31 23 26 25 21 28 20 23 35 23 29 26 24 20 24 29 22 25 25 22 21 22 25 29 23 23 25 22 20 23 27 29 25 23 25 22 20 22 25 29 24 25 25 25 22 22 20 25 30 24 26 26 22 22 21 25 33 24 27 26 22 22 21 25 36 22 27 26 23 22 26 24 27 30 24 26 24 22 26 29 28 26 25 28 23 26 21 21 21 12 13 14 15 16 17 18 19 20 36 29 33 32 33 29 35 34 31 28 32 33 33 34 30 33 29 32 31 33 34 31 33 26 31 33 33 30 36 30 32 28 30 32 29 33 28 28 29 32 29 31 27 35 27 39 26 34 31 32 28 35 35 36 34 28 33 32 33 27 34 31 34 28 30 33 32 33 32 35 31 32 26 30 32 33 34 29 37 28 32 27 28 31 30 31 29 35 25 27 29 30 30 31 34 24 28 28 29 31 29 32 32 21 25 27 27 28 31 27 34 32 22 27 24 28 29 32 25 34 33 23 28 23 30 33 29 32 33 23 29 22 29 30 31 32 31 33 23 30 22 29 29 33 31 33 27 30 23 31 29 28 35 31 34 32 32 25 31 28 33 30 34 36 34 28 33 32 29 31 30 36 38 36 29 34 31 31 36 39 36 27 34 32 31 35 37 37 33 30 31 31 32 32 32 32 30 29 29 33 32 33 29 34 33 22 23 24 25 26 27 28 29 30 22 19 18 15 15 17 22 24 31 19 18 12 16 18 20 27 19 18 13 15 17 20 26 22 23 19 18 14 22 19 18 16 15 17 22 23 19 18 17 15 17 24 24 23 19 18 18 15 18 24 25 23 19 19 16 16 23 27 17 16 14 14 15 16 23 20 16 18 12 22 20 14 16 7 19 14 15 18 13 15 10 19 13 17 18 14 14 12 18 18 18 16 13 14 13 17 19 18 18 16 13 14 15 19 18 16 16 14 13 16 15 18 20 18 20 17 16 15 17 20 21 18 17 14 14 15 16 16 15 15 13 15 14 19 19 16 14 15 13 15 14 19 20 18 17 14 15 15 16 16 20 21 19 15 15 17 17 21 22 26 20 16 14 16 17 19 24 22 25 20 17 15 16 18 20 24 23 23 20 18 15 16 18 17 21 26 25 23 23 22 MEAN 24.6

NOTES 1. "...." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

PERCENTAGE OF DATA VALID - 99.1

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA INVALID . D. 9

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS . O. I PARTS/MILLION STATION . WC NO 29025 BARTON/WENTWORTH HAMILTON MONTH - AUG HOUR 24 MEAN 20 18 12 32 19 18 23 24 23 19 14 37 17 19 23 24 23 19 19 14 31 16 19 23 24 22 19 19 14 21 17 18 24 24 23 19 20 16 17 17 18 24 24 25 20 21 17 18 17 18 24 25 26 18 22 14 19 18 24 25 27 16 21 17 14 19 17 23 23 24 20 20 15 20 17 22 21 20 18 20 15 19 17 21 21 15 18 20 15 18 17 22 22 22 15 17 18 13 18 17 24 23 21 13 18 15 15 20 17 27 22 18 17 18 12 19 17 25 22 18 13 17 17 13 19 17 26 22 19 14 18 16 17 20 17 26 22 18 14 18 18 21 17 26 22 18 16 18 22 19 22 18 27 22 19 16 18 25 18 19 20 27 23 21 17 20 26 17 17 21 27 22 23 18 19 25 17 17 22 27 22 23 18 19 25 18 17 21 27 23 23 17 19 18 19 18 25 23 22 3 4 5 6 7 8 9 17 14 29 19 18 23 24 23 17 17 17 18 24 25 26 12 13 14 15 16 17 18 19 20 23 21 25 32 34 35 26 28 21 26 31 34 33 25 28 21 26 24 31 35 31 21 26 21 26 26 32 35 29 21 26 21 26 28 33 34 29 21 27 20 21 28 33 30 26 23 18 21 27 31 30 26 21 20 21 25 29 29 25 22 21 19 24 29 27 24 23 23 25 31 34 33 24 28 22 25 24 31 34 32 23 27 22 28 29 34 35 28 22 22 25 30 34 35 27 23 28 19 21 26 30 30 26 21 20 25 28 27 24 24 19 25 28 27 24 25 19 25 29 26 24 25 22 19 25 30 26 25 25 23 21 25 31 30 25 25 22 27 31 31 25 26 24 28 31 34 26 27 21 23 29 32 35 27 28 20 23 30 33 37 27 21 22 27 31 32 27 24 21 23 31 35 38 27 28 DATA 22 23 24 25 26 27 28 29 26 22 25 27 25 21 37 32 27 22 24 28 26 23 37 33 28 23 24 28 28 27 39 26 26 28 32 31 38 34 24 26 27 30 32 34 37 35 26 28 29 32 31 33 39 38 27 28 31 33 29 31 40 40 26 28 31 37 27 30 41 23 26 28 26 22 29 33 26 28 33 39 27 22 26 36 35 24 28 42 23 26 36 36 24 24 27 36 37 26 26 27 27 29 25 28 34 21 25 28 23 22 32 33 25 27 34 38 26 26 43 22 26 38 35 25 27 29 34 41 24 27 29 33 37 24 28 30 33 26 21 25 27 24 21 34 32 25 27 32 32 26 32 37 24 27 36 36 26 27 26 28 35 38 24 28 39 27 27 27 31 26 26 36 43 39 38 34 35 40 MEAN 25.2

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

PERCENTAGE OF DATA VALID - 89.2

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA INVALID - 10.8

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION BARTON/WENTWORTH HAMILTON STATION - WC NO 29025 MONTH - NOV 77 HOUR 9 10 11 12 13 14 15 18 19 20 21 22 23 24 MEAN 24 29 36 20 24 33 16 24 20 25 30 25 29 27 32 27 34 25 32 22 27 22 24 24 20 25 19 26 19 24 18 28 17 30 16 26 25 25 17 26 17 24 18 5 15 9 15 23 8 6 11 6 11 5 12 12 6 15 26 15 10 6 16 29 11 5 13 19 16 6 16 28 12 6 10 5 14 16 7 9 19 20 22 26 7 7 8 9 12 \*\*\*\* 14 1 9 16 12 13 14 15 16 17 18 19 20 6 10 14 10 14 11 10 13 12 11 11 13 10 15 11 9 14 19 12 11 14 11 8 14 24 14 12 12 12 9 14 11 13 12 9 12 13 9 14 12 10 13 13 11 17 10 9 17 10 13 16 11 14 16 12 12 16 12 11 17 10 14 16 8 10 14 16 11 13 15 8 11 10 17 8 11 11 11 12 8 \*\*\*\* \*\*\* \*\*\*\* 7 7 7 8 11 12 7 6 6 7 22 23 24 25 26 27 28 10 4 8 7 9 6 10 a 13 14 13 10 \*\*\*\* \*\*\*\* 10 7 6 2 4 10 4 8 30 

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

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NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

12 12

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	LLUTA	NT -	REACT	IVE	HYDRO	CARBON	S (N	ON-ME	HANE;				UNITS	5 - O.	1 PAF	RTS/MI	LLION	(						
	S1	NOITAT	- wc	: NO	2902	5	BARTO	N/WE	NTWORT	гн нал	ILTON	ı				MON	TH -	DEC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	9 2 4 5 0 3 5 6 3	8 3 2 4 6 0 2 4 6 3	7 2 3 4 6 1 3 4 6 3	7 4 3 3 4 1 3 4 4 2	7 3 3 3 2 1 3 4 3 2	7 1 3 3 2 1 3 5 3 2	7 2 3 3 2 2 3 5 2 3	10 2 4 3 2 2 4 6 2 3	14 3 4 3 2 3 4 6 2 3	14 2 4 3 2 3 2 6 2 3	11 2 4 3 1 3 1 6 1 3	8 2 4 3 1 3 1 4 0 2	3 2 4 3 2 2 4 5 1 2	1 1 4 3 1 2 5 5 1 2	1 2 3 3 1 2 3 5 1 2	2 2 3 3 2 2 4 0 3	2 2 3 4 3 2 2 5 5 2 4	3 4 4 2 3 4 5 2 4	2 3 4 4 2 3 4 4 2 5	2345234325	2345234335	4346345434	5 3 4 5 4 5 5 4 3 4	2 3 4 1 4 5 5 3 5	6244323533
11 12 13 14 15 16 17 18 19 20	5 6 9 9 1 0 5 4	5 7 10 9 8 1 0 4	5 6 7 13 8 7 1 0 4 3	4 4 7 16 9 8 1 0 4 3	4 3 8 19 9 8 1 0 4 3	5 4 8 18 9 9 1 0 4 2	5 5 9 16 9 10 2 0 3 3	5 6 9 15 10 12 3 0 5 3	5 7 9 15 10 10 2 0 5 3	4 7 8 14 11 **** 2 1 5	4 6 **** 14 10 **** 1 1 5	5 6 19 10 **** 1 2 5	5 7 17 10 4 0 1 5	5 7 14 11 3 0 1 5	5 6 8 13 11 3 0 2 5	5 8 9 11 11 3 0 3	5 8 10 10 11 3 0 4 6	6 8 10 8 10 4 0 5 7	7 8 9 9 10 2 0 6 5	7 7 9 10 10 2 1 7 5	7 6 8 12 10 2 0 8 4	7 5 7 10 10 3 1 8 5	7 5 7 10 9 3 1 7 5	6 5 8 10 10 3 0 7 6	5 6 8 13 10 6 1 3 5
21 22 23 24 25 26 27 28 29 30	3 2 4 2 0 1 2 3 7	3 1 4 3 0 1 2 3 8	3 1 4 1 0 1 2 3 8	3 1 4 0 0 1 2 3 8	**** 3 2 4 1 0 1 2 4 6	**** 3 2 4 0 0 1 2 4 5	**** 3 2 4 1 0 2 2 5 6	**** 3 2 4 1 0 2 3 5 8	3 2 5 2 0 2 3 5 8	3 2 6 2 0 1 3 5	**** 3 6 2 0 1 3 5 9	2 3 6 2 0 1 3 6 7	3 1 2 5 1 0 1 2 6 6	2 1 5 1 1 1 1 5 5	2 1 2 5 1 1 1 2 4 5	3 1 2 5 1 1 2 4 5 5	3 2 3 6 1 1 3 5 5	3 2 4 6 1 1 3 5 5 5	3 2 4 6 2 2 3 6 5 6	3 3 4 6 2 2 4 6 6 5	3 2 4 7 2 2 4 6 6 5	3 2 5 6 2 1 3 5 7 6	3 2 5 3 2 1 3 4 8 6	3 2 5 2 1 1 3 5 8 6	2 3 5 1 1 2 3 5 6
31 MEAN	5 4	4	5	4	4	4	4	4 5	4 5	5 5	6 4	6	5 4	5 3	4 3	4	4	4	5 4	5 5	5 5	4 5	3 5	2	4.2

PERCENTAGE OF DATA VALID - 96.0 PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION STATION - C NO 31001 67 COLLEGE ST F1FTH FLOOR TORONTO MONTH - APR 77 HOUR 17 18 22 23 24 MEAN DAY DATA UNAVAILABLE . DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
3 3 3 3 3 3 3 4 5 5 3 4 5 5 5 4 5 3 5 7 4 3 6 7 4 6 6 4 6 7 5 4 6 6 12 13 14 15 16 17 18 19 DATA INVALID -DATA INVALID -DATA INVALID -- DATA INVALID DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE -DATA UNAVAILABLE
DATA UNAVAILABLE 22 23 24 25 26 27 28 29 

PERCENTAGE OF DATA VALID - 15.8

MEAN

PERCENTAGE OF DATA INVALID - 10.6

4 4 4

PERCENTAGE OF DATA UNAVAILABLE - 73.6

5 5 5

4.8

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- \* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - MAY HOUR 14 15 24 MEAN DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
11 8 \*\*\* 13
15 15 15 15
11 9 10 11 2 3 4 5 6 7 8 9 9 15 10 16 18 11 18 12 17 18 14 - DATA INVALID -12 13 14 15 16 17 18 19 20 DATA INVALID DATA INVALID DATA INVALID DATA 7 9 10 7 9 11 15 16 14 15 21 9 15 23 8 18 20 7 16 15 9 18 26 10 13 13 13 15 17 15 19 12 18 27 9 15 11 16 13 20 22 11 18 16 10 12 9 8 16 16 15 16 22 23 24 25 26 27 28 29 34 19 22 29 21 16 18 17 9 12 10 4 36 18 24 20 9 12 24 21 22 18 9 12 7 20 19 21 12 25 12 9 9 16 13 9 7 9 5 16 5 3 14 10 9 18 10 14 11 8 7 5 5 3 4 8 14 11 9 9 11 11 9 9 13 10 7 5 11 13 7 13 12 9 16 10 9 3 4 16 13 12 16 10 3 16 14 15 12 9 11 8 10 14 14 11 11 12 3 15 12 11 12 9 9 10 16 9 13 8 3 15 8 14 9 12 10 13 5 3 7 A MEAN 11.9

PERCENTAGE OF DATA VALID - 58.9

PERCENTAGE OF DATA INVALID - 23.5

PERCENTAGE OF DATA UNAVAILABLE - 17.6

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - AUG 77 HOUR 9 10 11 16 17 18 19 20 21 22 23 24 MEAN 2 3 4 5 6 7 8 9 0 0 3 3 4 11 4 12 10 3 5 .... 4 3 2 3 6 5 12 13 14 15 16 17 18 19 20 3 3 2 5 22 23 24 25 26 27 28 DATA INVALID 3 4 5 4 4 5 6 7 7 6 3 3 5 4 7 6 6 3 5 4 6 6 3 3 6 8 \*\*\*\* \*\* MEAN 

PERCENTAGE OF DATA VALID - 90.9

PERCENTAGE OF DATA INVALID - 9.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)										)			UNITS	- o.	PAR	TS/MI	LLION							
	51	ATION	- C	NO	31001		67 CO	LLEGE	ST	FIFTH	FLOOR	TOR	ONTO			MON	тн -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
1	12	14	14	13	3.1	11	12	17	14	11	9	7	8	15	11	8	11	12	13	10		11	14	14	
2	15	15	16	17	16	13	12	12	13	13		11	8	10	13	8	8	6	8	14	14	16	13	13	12
3	11	5	5	5	5	5	0	2	4	5	5	5	5	4	5	6	6	6	6	6	6	6	7	7	5
	6	6	6	7	7	6	6	6	6	4	4	4	4	3	4	5	4	3	3	3	4	5	5	ź	2
5	9	10	В	8	7	8	6	6	5	3	4	4	4	4	4	4	5	6	3	5	-	6	6	5	5
6	6	6	6	6	6	6	В	10	7	6	6	5	6	6	6	7	7	6	7	6	7	7	ž	6	9
7	6	6	5	5	5	4	4	5				3	3	2	2	2	2	2	3	3		á	3	3	2
8	3	2	2	3	2	2	3	4	2	2	3	3	3	6 2 2	2	3	3	3	3	4	3	4	4	4	3
9	5	9	6	10	8	В	3	4	4	3	3	3	2	2	3	3	3	3	3	2	3	3	3	3	3
10	3	3	2	2	3	4	5	6	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
11	4	3	4	4	4	3	3	3	3	3	3	3	3	4		3	3		- 2	_					
12	6	6	5	6	7	4	6					3	3	3	4 3	3	3	3	3	6	6	6	6	6	4
13	5	4	5	3	2	4	4	4	4	4	3	4	4	3	3	2	-	4	4	5	4	5	5	4	5
14	6	5	5	4	7	3	3	4			4	4	7	7	4	2	3	5	4	4	3	4	4	5	4
15	6	6	5	5	5	5	6	6	5	3	3	3	3	2	2	7	7	5	5	6	6	6	7	7	5
16	5	5	В	5	4	5	6	7			-	6	-	6	6	8	10	4	4	4	4	4	4	5	4
17	12	1.1	10	6	4	6	7	10	7	- 5	3	3	2	3	3	3	4	10	15	23	1.1	5	7	10	8
18	11	9	10	7	8	8	4	· 4	Á	4	ž	5	6	3	7	3		3	4	6	7	8	9	10	6
19	9	7	5	5	4	5	5	6				ž	ž	-	- 4	2	2		В	10	9	8	7	8	7
20	3	2	2	2	2	2	3	3	3	3		3	,	3	5	9	4	5	3	3	3		3	2	5
	2	-						-				3	-	•	5	9	4	3	3	3	3	3	3	3	3
21	3	4	4	3	3	4	4	5	5	••••		4	4		4	5	4	4	5	5	4	4	4	4	
22	4	4	4	3	4	4	4	5	5	5	4	4	4	4	4	4	4	4	4	6	6	7	5	5	4
	2	3	3	3	3	1	4	5	3	3		3	3	3	3	3	3	3	3	4	4	4	3	3	3
24	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2
25 26	2	2	2	2	3	4	4	5	6	4	5	4	4	4	3	3	4	5	5	7	6	6	ā	ā	4
26	3	4	3	3	2	2	3	4	3	••••		4	3	3	3	2	2	2	4	5	6	3	3	3	3
	3	3	3	2	2	3	3	5	3	3	2	3	3	3	3	3	3	3	3	4	4	4	4	ă	3
28	3	3	3	3	2	3	4	4		••••	3	3	3	3	3	4	4	4	4	4	4	4	5	5	ă
29 30	4	3	3	3	3	3	4	7	6	5	4	4	4	3	4	5	5	4	5	6	6	6	4	4	4
30	9	5	4	4	5	5	6	7	6	8	••••	5	6	5	7	8	8	8	8	7	6	6	5	5	6
MEAN	6	6	5	5	5	5	5	6	-	6		20			12	- 12	_		-	51					

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE . 0.1

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE) UNITS - 0.1 PARTS/MILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - DEC HOUR 20 21 24 MEAN 2 3 4 5 6 7 8 9 2 2 3 1 3 1 2 2 1 2 2 3 3 2 4 2 6 . 2 1 12 13 14 15 16 17 18 19 20 2 2 3 7 3 3 2 2 3 2 3 1 1 5 2 2 3 3 3 3 7 2 2 3 2 22 23 24 25 26 27 28 29 30 MEAN 1.9

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

															-		,	C L L O.							
	ST	ATION	· SW	NO	12008		467 U	NIVER	SITY	AV WE	ST F2	WIND	SOR			MON	тн - ,	JAN	77						
HOUR DAY	τ	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	22	21	24	23	21	20	20	20	21	21	22	22	23	23	23	23	24	27	25	27	25	25	25	
2	24	25	27	30	30	30	26	27	26	26	30	26	28	28	26	25	25	29	28	27	27	29	26		23
3	26	25	26	26	25	26	31	27	34	26	26	26	29	26	26	24	24	26	25	28				25	27
4	25	26	25	24	24	25	26	31	33	32	29	29	31	30	32	32	31	28	29	27	26	26	24	24	26
5	28	26	33	33	27	28	29	31	38	37	34	31	29	30	29	27	28	26	28		32	33	32	32	29
6	55	58	47	47	38	32	26	25	25	25	24	31	27	26	24	25	26	23	23	29	29	29	33	37	30
7	23	22	21	20	19	17	17	18	21	21	21	22	24	24	24	24	25	24	25	22	22	22	22	23	30
8	30	28	25	26	22	21	22	23	21	21	21	21	21	22	24	23	23	23	21	26	25	28	40	31	23
9	25	23	23	21	21	21	21	22	22	22	23	23	23	22	21	21	21	21	21	21	23	26	28	28	24
10	19	18	18	17	17	18	19	22	23	26	22	20	18	18	18	18	18	18		21	20	20	19	19	22
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1.1	19	19	19	18	18	18	19	22	28	27	27	29	30	30	26	26	30	27						122	4000
12	23	23	22	22	22	23	26	29	33	29	28	28	21	19	19	19	19	19	24	23	22	22	22	22	24
13	21	23	28	25	27	28	25	28	32	23	19	19	16	17	15	16	19	16	20	20	22	26	26	26	24
14	16	16	16	17	19	20	23	20	25	22	26	29	28	31	30	31	30	32	14	15	16	16	19	17	21
15	16	16	16	16	16	16	18	19	21	21	21	20	18	17	17	17	17		29	24	18	17	17	16	23
16	16	16	17	18	16	16	15	15	19	17	17	19	21	22	21	18	55-56	16	16	17	16	15	15	15	17
17	20	20	22	19	21	22	23	20	24	23	21	21	22	20	15		18	19	20	20	19	17	17	18	18
18	20	20	20	17	17	18	19	24	32	36	31	34	28	20		19	22	21	20	13	13	13	16	21	20
19	24	23	23	22	23	23	22	23	25	25	23	22	22		27	26	27	25	24	22	21	21	21	23	24
20	22	29	30	30	27	29	31	36	36	32	33	31	31	22	22	23	23	22	22	20	50	20	20	22	22
*.*.			-	-			31	36	30	32	33	31	31	34	31	28	29	28	28	29	28	28	27	27	30
21	27	28	25	25	25	26	27	29	33	34	31	29	29	28	27	27	30	27	26	28	29	27	26	27	28
22	28	28	29	31	29	30	30	32	32	32	37	42	46	47	49	46	43	40	38	38	36	38	45	43	37
23	35	31	28	27	26	25	25	31	31	28	25	22	24	24	23	21	20	19	19	19	19	19	19	19	24
24	22	21	21	21	21	21	23	25	26	25	23	26	23	24	25	26	29	25	24	25	25	25	25	26	24
25	23	22	22	22	23	24	25	29	32	28	25	25	24	23	22	22	23	22	22	21	21	20	21	22	23
26	22	22	24	24	24	23	23	21	24	21	23	23	22	20	18	18	21	18	16	17	16	16	16	16	20
27	17	16	18	18	18	18	18	18	21	22	23	23	25	23	22	21	23	21	21	21	20	20	20	23	20
28	20	19	18	17	17	19	22	18	20	21	21	21	21	20	20	19	21	20	20	20	19	19	19	20	20
29	20	20	20	23	27	19	20	20	20	20	21	20	20	21	20	19	19	20	19	20	21	22	21	21	21
30	22	20	22	23	23	21	21	22	22	22	24	24	27	28	27	26	24	24	22	22	24	24	24	23	23
31	23	23	23	23	23	24	25	27	28	27	26	26	25	25	26	27	27	27	26	24	23	23	24	26	25
MEAN	24	23	24	23	23	23	23	24	27	26	25	25	25	25	24	24	24	24	23	23	23	23	23	24	23.9

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. " ... INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	т - т	OTAL	HYDRO	CARB	ONS							UNILZ	- 0.1	PAR	TS/MIL	LION							
	STA	TION	· 5₩	NO	12008		467 (	INIVERS	114	AV WE	ST F2	WIND	SOR			MON	TH - F	EB	77	-					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	IEAN
1 2 2 3 4 4 5 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	25 29 23 26 26 29 30 24 34 25 25 26 29 30 24 30 25 26 27 25 26 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	25 30 26 25 27 23 24 34 24 51 25 26 27 29 24 27 29 28	24 31 26 25 27 27 32 36 24 36 26 26 26 26 27 29	25 31 20 26 25 26 26 37 20 41 24 41 23 26 21 24 23 16 26 28	25 28 20 26 24 25 26 31 31 21 23 24 21 24 21 26 27	26 30 27 27 27 27 33 19 42 24 32 23 27 25 32 16 25	28 30 29 29 27 30 29 20 62 24 31 23 29 22 27 36 25 24	22 28 31 18 24	31 29 27 30 23 37 30 22 44 30 29 37 22 23 27 22 25 25 25 25	33 28 27 31 27 31 36 25 21 43 31 30 22 28 25 25 21 31 30 25 21 43 31 31 30 25 25 21 31 31 31 31 31 31 31 31 31 31 31 31 31	35 28 25 32 27 35 35 25 22 45 29 30 22 30 30  26 22 36 24	37 28 24 32 29 43 37 22 43 27 30 23 32 26 26 22 42	39 28 35 34 49 37 26 22 41 27 325 27 316 22 22 49 25 27	39 21 32 35 49 26 24 38 25 30 27 27 28 26 21 23 55 29	34 25 33 34 45 39 27 25 35 24 25 28 26 28 22 57 29	34 26 34 32 40 33 27 22 34 25 28 24 25 28 25 20 22 51	31 32 35 31 38 34 26 22 42 25 32 42 26 24 21 25 24 43 30	3° 23 33 30 35 22 23 35 25 27 27 27 27 28 19 23 39 31	29 25 23 33 29 33 30 25 27 32 27 25 24 18 20 24 37 29	29 25 23 32 32 32 32 32 32 32 32 32 32 32 32	28 24 29 31 30 25 26 29 43 25 24 24 24 24 33 25	29 23 249 28 22 28 27 49 25 25 25 25 25 25 25 25 25 25 25 25 25	29 224 28 27 31 32 29 26 56 27 25 26 25 26 27 25 26 27 25 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	28 24 28 27 30 37 23 32 25 59 27 26 26 26 26 29 22	30 27 23 30 28 33 32 24 38 31 32 24 27 25 24 23 21 35 27
21 22 23 24 25 26 27 28	22 14 22	22 15 22	22 15 22	22 14 22	23 13 22	23 14 22	23 15 22	18	29 25 24	26 19 24	25 22 26	- DA - DA	TA UN	23 24 24 INVAL IAVAIL IAVAIL	ABLE ABLE ABLE		23 25 22	21 26 20	19 26 18	18 24 ••••	18 21 ••••	16 22	15 22 ••••	16 21	22 21 23
MEAN	27	26	26	26	25	25	27	27	28	28	29	30	30	30	30	29	29	27	26	27	27	27	26	27	21.4

PERCENTAGE OF DATA VALID - 80.8 PERCENTAGE OF DATA INVALID - 2.5 PERCENTAGE OF DATA UNAVAILABLE - 16.7

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	S	TATION	- SW	NO	12008	3	467	JNIVE	RSITY	AV W	EST F2	WIND	SOR			Mor	NTH -	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	22	22	21	23	24	26	23	20	18	17	16	16	16	16	15	15	14							
2	23	19	20	20	17	17	1.7	16	16	19	21	26	28	28	29	30	25	25	15	16	18	19	26	23	19
3	23	20	20	23	24	25	27	26	23	20	20	21	22	21	18	19	19	18	18	25	27	27	28	26	23
4	19	19	19	19	19	20	20	20	21	19	19	18	18	18	18	22	20	20	20	19	19	18	19	19	21
5	22	21	19	19	19	19	20	21	22	22	29	27	23	21	22	22	20	18		21	21	20	21	23	20
6	26	26	21	20	20	23	28	35	25	24	25	23	20	20	20	20	20		20	22	50	22	23	24	22
7	21	21	19	19	19	19	20	21	20	19	20	20	19	19	19	19	19	21	21	23	23	21	21	21	23
8	28	41	31	28	31	33	30	28	23	20	18	18	17	17	17	18	17	19	20	20	21	23	29	28	21
9	17	17	17	17	17	17	18	19	19	18	20	19	19	21	21	17	17	17	16	17	18	18	18	18	22
10	18	19	20	20	20	21	21	21	20	18	30	18	19	18	17	14	14	15	16	16	17	18	18	19	18
						•		· .	20	10	30	10	1.9	10		14	14	13	12	12	14	21	20	25	19
1.1	26	27	29	40	32	29	32	35	37	29	21	18	18	17	16	17	17	16		20	2275	200	22	0.2	
12	39	29	30	25	24	25	30	26	23	20	20	19	21	21	22	20	20	18	18	24	31	34	37	39	27
13	20	19	21	20	20	22	24	24	25	22	24	23	24	23	22	21	21		18	19	19	19	19	19	23
14	27	27	27	28	28	28	30	32	28	27	26	26	24	24	23	22	22	20	23	27	27	30	30	31	23
15	28	28	29	29	29	31	32	30	27	25	25	25	22	21	21	21	21	23	23	24	26	25	26	26	26
16	23	24	33	31	30	32	26	29	25		24	27	26	23	21			21	19	19	21	23	23	29	25
17	28	27	32	31	33	35	38	34	32	29	24	18	16	17		21	20	20	21	23	26	26	24	24	25
18	19	21	23	24	24	31	30	25	21	19	18	19	26	18	1.7	17	17	18	20	24	21	20	20	25	25
19	28	26	26	29	32	38	40	34	28		22	21	24	24	18	22	21	21	22	24	26	24	24	25	23
20	24	30	30	42	46	55	54	42	23	18	17	17			25	19	20	18	17	17	19	18	20	21	25
		30	30		40	33	54	44	23	18	17	11	19	19	19	18	18	19	20	22	22	23	21	21	27
21	23	25	27	28	29	29	30	27	22	21	23	23	25	25	25	25	25	26	26	26	26	26	24	24	25
22	25	25	25	24	24	24	23	22	22	22	23	24	24	25	25	24	24	24	23	22	21	21	21	21	23
23	21	22	23	25	26	27	29	30	26	25	26	25	25	25	23	23	22	22	22	23	23	24	25	25	24
24	26	23	23	23	24	25	26	28	29	31	26	21	20	22	18	22	25	18	21	24	23	23	29	27	24
25	37	45	28	39	40	38	38	29	20	21	22	23	21							• • • •					
26	****	••••		• • • •		••••	••••	••••	••••	• • • •			20	20	21	23	23	23	24	24	24	24	23	23	
27	25	25	22	23	25	27	29	30	31	28	29	26	17	18	18	19	20	21	22	24	30	32	37	40	26
28	55	60	61	70	67	65	70	57	53	46	31	26	24	23	24	24	25	25	25	31	30	27	29	30	41
29	24	23	23	23	23	22	23	23	23	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23
30	23	23	23	23	24	24	24	24	24	23	22	23	24	20	17	17	19	19	23	26	28	26	25	28	23
31	28	29	29	29	29	32	33	31	22	21	19	19	18	18	18	19	21	18	16	17	22	27	28	23	24
MEAN	26	26	26	27	27	29	30	28	25	23	23	22	21	21	20	20	20	20	20	22	23	23	24	25	23.8

PERCENTAGE OF DATA VALID - 96.6 PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUT	ANT -	TOTA	L HYD	ROCAR	BONS							UNITS	· 0	. 1 PAI	RTS/M	ILLION	N.						
	S	TATIO	N - S	w NO	1200	8	467	UNIVE	RSITY	AV WE	ST F2	WIN	SOR			MOI	NTH -	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	20 19 27 19 25 13 21 27	20 21 28 27 28 13 21 27	20 27 37 30 12 20 29	20 17 27 34 20 11 17 27	18 17 26 22 18 11 16 27	17 38 19 16 10 16 31	18 35 21 15 10 17 31	19 31 32 15 11 17 33	21 21 28 17 13 16 31	19 21 20 22 18 14 16 27	18 21 18 20 18 16 16	18 23 18 18 17 17 16	19 24 22 17 17 17	22 18 17 17 17 17	18 21 18 17 17 16 17	17 22 19 17 16 17 19	17 24 18 17 16 18 19	18 24 17 17 17 16 18	18 24 16 17 17 15	17 25 15 20 19 15 17	17 35 15 33 17 15 18	18 34 16 32 17 15 18	18 26 19 29 15 17 21	17 27 21 23 15 18 21	18 23 22 23 18 14 18
10	17 23	16 28		15 25	14 23	15 24	16 24		16 23	17	17	16 22	16 22	16 22	16 27	17 29	18 34	17 28	18	18	20 25	21	22	23	17 25
11 12 13 14 15 16 17 18 19 20	44 26 26 21 23	42 26 26 22 21	29 26 21	31 29 25 17 21	27 31 26 17 21	22 32 27 22 19	20 31 25 18 20	30 25 19	19 31 **** 24 ****	19 30 23 23	20 30 28 21	:	DATA DATA DATA	22 36 32 53  INVAL INVAL INVAL INVAL	10 - 10 - 10 -	19 28 28 58	20 29 20 45	21 29 15 39	23 28 15 31	23 28 17 29	24 28 18 27	23 27 15 24	22 27 16 24	22 28 16 25	24 29 23 29
21 22 23 24 25 26 27 28 29 30	19	31		32	36	····	23	.14	17 24	17 26	16 38	*	DATA DATA DATA DATA DATA DATA	I NVAL I NVAL I NVAL I NVAL I NVAL I NVAL I NVAL I NVAL 18 55	ID - ID - ID - ID - ID -	16 37	12 28	14 27	13 28	13 27	12 24	13	14 21	17 21	15 32
MEAN	23	25	26	23	22	23	21	22	21	21	21	22	23	25	25	24	22	21	20	20	22	21	21	21	22.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA VALID - 53.2 PERCENTAGE OF DATA INVALID - 46.8

POLLUTANT - TOTAL HYDROCARBONS

														01113	0.	PAR	2/ m11	LIUN							
	ST	NOITA	· SW	NO	12008		467 L	NIVER	SITY	AV W	EST F2	WIND	SOR			MON	тн - ;	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	MEAN
1	16	17	18	18	17	17	16	22	24	26	26	25	25	21	18	19	16	14	15	17	17	17	21	23	19
2	15	14	14	16	17	13	14	19	17	22		16	18	17	16	16	17	19	22	23	26	25	26	24	19
3	24	23	22	20	19	19	20	19	19	18	19	19	21	22	22	23	22	22	22	21	21	23	22	21	21
4	21	20	20	20	20	17	18	18	19	16	16	17	18	18	18	20	21	22	22	23	24	25	23	23	20
5	21	21	23	25	26	26	24	24	22	22	23	21	21	21	22	21	22	19	18	18	17	17	16	16	21
6	15	15	15	15	15	16	16	22	17	16	16	15	18	20	19	19	18	18	19	20	23	19	17	16	17
7	18	16	15	15	15	16	19	25	17	16	15	17	22	13	13	14	10	10	10	10	10	10	14	12	15
8	14	20	19	13	1.1	12	14	15	13	12	12	13	12	10	9	8	7	8	7	8	7	В	8	8	11
9	8	10	13	15	17	16	16	17	• • • •	22	22	28	37	38	39	41	42	45	45	46	45	43	42	42	
10	43	42	43	46	43	44	44	40	39	41	44	41	32	28	26	24	24	24	23	23	27	28	25	23	30 34
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12	19	19	20	20	23	25	20	21	20	19		19	20	20	20	21	22	19	21	23	18	17	12	12	29
13	13	11	1.1	12	14	19	17	22	18	20	21	22	22	22	23	24	25	25	21	20	19	14	13	14	18
14	14	13	10	9	9	10	10	11	10	10	11	12	13	13	16	16	15	14	16	17	18	17	16	15	
15	16	17	13	19	33	34	16	12	13	12	10	10	15	17		22	22	24	19	17	19	25	23		13
16	22	23	23	21	20	17	15	19	19	23	23	20	21	21	23	24	24	25	29	27	28	31	29	23	19
17	29	33	35	25	30	35	36	25	24	29	28	25	25	25	24	25	29	32	33	39	33	28	24	28	23
18	17	19	17	18	19	17	19	19	17	16	17	19	20	17	18	19	18	18	19	20	20	21	18	25 15	29
19	15	15	14	14	15	15	17	20	16	14		15	19	13	16	21	23	26	34	24	21	20	19		18
20	18	18	18	20	20	27	33	31	26	20	18	18	23	18	22	23	23	23	22	22	22	21	21	18	18
21	21	20	20	21	23	23	24	27	25	26	25	25	25	25	27	29	30	28	27	29	25	24	25	25	25
22	25	28	25	26	27	29	33	37	34	25	25	25	25	26	26	27	26	25	26	26	26	28	29	27	27
23	25	25	21	21	21	22	22	23	23	24	22	22	22	22	23	24	23	22	22	21	20	19	18	18	22
24	18	17	16	16	16	16	17	18	20	20	26	28	22	22	23	25	21	22	28	34	30	24	26	29	22
25	22	19	22	26	20	23	25	19	24	26	19	19	19	21	23	23	23	23	24	23	23	20	20	20	22
26	20	17	18	18	17	18	23	21	20	20	22	21	20	21	22	22	22	22	22	29	30	27	22	27	22
27	24	20	24	25	19	19	21	26		21	23	25	27	26	26	26	26	26	28	30	26	27	29	30	25
28	31	30	28	27	28	34	40	44	36	32	30	31	30	35	35	37	36	36	39	44	46	61	63	44	37
29	42	44	43	44	40	35	34	36	30	29		22	21	25	21	18	17	17	22	30	25	28	21	20	29
30	25	34	21	24	23	23	38	42	30	24	25	24	29	• • • • •	31	35	40	30	27	26	24	22	20	20	28
MEAN	21	21	21	22	22	23	23	25	22	22	21	21	22	21	22	23	23	23	24	25	24	24	23	22	22.5

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	T - 1	OTAL	HYDR	OCARE	BONS							UNITS	٠ ٥.	1 PAR	TS/MI	LLION							
	ST	TION	- SW	NO	12008		467	UNIVER	SITY	AV WE	ST F2	WIND	SOR			MON	тн -	ост	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	22	22	22	25	25	27	27	27	26	25	25	22	24	25	25	25	24	24	25	25	25	25		
2	24	27	25	25	25	27	27	26	25	24	24	24	23	22	22	21	22	23	23	23	23	23	27	26	25
3	24	23	23	23	23	24	26	26	24	22	21	21	19	21	22	24	24	25	30	27	28	31	29	24 28	24
5	26	26	26	26	29	29	31	40	36	30	27	25	24	21	19	20	20	21	27	36	41	31	37	33	25
6	33	27	28	28	30	29	29	30	28	32	30	27	29	21	21	20	21	24	27	26	25	24	25	26	28
7	27	30	27	27	29	31	31	36	40	20	18	21	18	18	18	20	18	19	19	20	20	20	20	19	27
á	19	19	23	22	23	25	26	30	29	25	23	23	23	23	22	24	22	21	28	23	22	23	24	22	24 24
9	22	22	21	21	21	19	19	19	19	20	20	20	21	21	21	21	21	21	23	24	23	25	24	24	21
10	34		25	25	26	26	26	27	26	28	28	28	28	26	27	27	27	28	31	32	30	31	33	33	28
10	34	34	36	38	38	41	43	43	43	43	41	36	35	36	36	37	37	37	37	35	33	31	32	31	37
11	29	27	27	26	27	27	29		22	21	21	19	20	20	19	19			1000						
12	17	17	17	18	19	19	21	22	23	18	18	17	17	17	18	20	19	19	18	19	19	18	19	19	22
13	20	20	22	23	23	26	30	33	32	22	22	25	27	28	28	28	27	19 25	20	20	20	21	22	23	19
14	56	52	46	50	84	124	132	168	73	32	28	22	20	20	21	22	24	22	26	29	35	43	36	52	28
15	34	35	47	40	46	45	32	33	42	36	34	34	26	17	16	16	16	14	23	29	31	27	32	39	49
16	13	13	13	13	13	14	14	14	14	13	13	13	13	13	13	13	13		15	14	13	13	1.4	14	27
17	15	18	19	20	20	23	25	25		25	20	21	25	22	18	20	18	14	14	14	15	16	16	16	14
18	16	17	17	1.7	17	17	19	22	23	22	24	17	16	15	16	17	17	16	16	20	20	21	19	19	21
19	18	16	18	18	18	16	15	16	18	20	19	16	16	16	17	18	18	19		17	18	18	17	17	18
20	35	34	33	26	26	29	33	35	37	36	• • • •	27	25	24	26	26	26	27	19 34	20 34	28 36	28 38	42	40 31	20 31
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22	22	22	27	30	25	28	24	20	22	21	20	18	19	19	19	20	19	18	18	24	23	22	22	23	30
23	16	17	17	18	16	15	15	17	18	18	19	20	18	18	19	19	19	18	18	18	18	19	18	16	21
24	18	18	18	18	19	20	27	33	27	23	23	24	25	24	24	28	25	25	25	18	19	20	20	20	18
25	23	20	18	17	20	22	23	31	23	20	20	19	19	19	18	21	20	19	20	24	24	25	28	26	24
26	20	16	14	14	17	20	21	29	31	29	24	21	24	27	22	22	21	20	24	19	18	19	19	17	20
27	29	31	26	27	27	26	27	31	39	49	37	25	26	21	20	22	23	25	33	30	35	35	29	28	24
28	19	19	20	20	20	23	23	22	23	25	21	21	20	21	21	21	20	23		39	25	22	23	23	28
29	24	23	22	18	18	18	20	23	23	19	17	18	19	19	20	19	21	19	25	20	19	22	28	29	22
30	22	22	21	19	20	18	21	24	14	15	16	16	18	17	18	19	18	18	24	19	20 18	19	17	16	18
31	15	16	17	18	18	17	17	17	17	16	15	16	18	18	18	18	19	19	18	17	17	17	17	17	17
MEAN	24	24	24	24	26	28	29	32	29	25	23	22	22	21	21	22	22	21	23	24	24	24	25	25	24.3

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL HYDROCARBONS

#### UNITS - 0.1 PARTS/MILLION

STATION - SW NO 1200B 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	23.9	37	58
FEB	23	27.4	38	62
MAR	29	21.3	28	45
APR	30	22.9	34	66
MAY	29	23.8	41	70
JUN	16	22.2	32	64
JUL	24	24.1	42	96
AUG	26	26.9	43	85
SEP	30	22.5	37	63
OC T	31	24.3	49	168
NOV	30	21.0	27	54
DEC	31	22.1	31	41
YEAR	330	23.5	49	168

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

MONTHET GR	ROOP PREGL	ENCT	DISTRIC	SUTTON FOR	1977						
POLLUTANT -	TOTAL HY	DROC	ARBONS				UNITS - 0	D.1 PARTS/N	AILLION		
STATION -	SW NO 12	8008	467	UNIVERSIT	Y AV WEST	F2 WINDSOR	1				
MONTH	1 00 TO 10	11	TO 19	20 10 30	31 TO 60	61 TO 90	91 - 140	141- 200	201 80VER	TOTAL	
JAN		)	148	521	75	0	0	0	0	744	
FEB	ţ	)	35	386	121	1	0	0	0	543	
MAR		0	278	385	35	0	0	0	0	698	
APR	(	0	188	465	64	2	0	0	0	719	
MAY		0	171	483	60	5	0	0	0	719	
JUN		2	176	160	44	ï	0	0	0	383	
JUL	5	5	178	265	111	9	2	0	0	620	
AUG	3	5	78	375	157	5	0	0	0	650	
SEP	2	В	233	371	79	3	0	0	0	714	
OCT	9	0	229	403	104	2	2	1	0	741	
NOV		ť	282	401	26	0	0	0	o	710	
DEC	3	7	152	496	53	0	0	0	0	738	
YEAR	15	8	2148	4711	929	28	4	1	0	7979	
FREQUENCY		TION	BY PERC	ENTILES							
	PERCENT				10-10-2		NTRATIONS	DEDOENT			ARITH
	OF DATA					UENCY DIST	90	95	98 99	9 МАХ	
	VALID	MI	N	10	30 5	0 70	90	93	JU 9:	,	mr A.
				Sc. 142 1504	ent to the control of	cannot be seen the control of the co		The second second	rental entre		

91.1 3 15.6 19.1 21.7 24.8 31.0 36.6 44.9 51.3

23.5

168

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	90.00																200	9.21	~ 7						
	ST	ATION	- SW	NO	14049		156 VI	CTORI	A ST	NORTH	SAR	NIA				MONT	H - J	AN	77						
10000000			-	.4	5	6	7	- 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
HOUR	1	2	3	-44	2	.0		9	-	3.8															
DAY																					_			18	16
_	2.0	are:	15	15	14	1.5	15	15	15	15	15	15	15	15	15	15	16	17	16	18	21	21	19 34	26	22
1	15	15	16	16	16	17	16	18	18	18	18	18	18	1.8	17	17	22	25	27	34	34	40	103.43	24	21
2	18	22	22	19	16	15	15	16	17	17	19	30	28	29	26	22	21	19	20	21	23	26	21	24	16
3	18	15	14	13	14	14	15	17	18	18	18	18	17	18	****	14	14	21	• • • •			10	19	20	
5	****	****												****	1.1	13	17	19	16	16	16	18	1.5	****	29
	23	15	15	15	51	76	45	29	22	18	27	26	19	21	23	32	34	26				16	17	16	15
6 7	23	18	1.7	15	14	12	1.1	12	1.3	15	14	14	14	16	16	16	18	20	18	16	17	16	15	15	20
8	19	22	20	19	23	30	27	25	18	18	19	1.7	18	18	24	25	19	18	18	17	16	15	15	15	15
9	14	14	14	1.4	15	14	15	14	15	16	16	16	15	16	16	16	15	15	15	15	15	13	13	13	14
10	14	14	1.4	13	1.3	13	1.3	16	16	15	13	13	15	14	14	14	15	14	13	13	13	1.3			
10	1.4	1.44	1.55													10.00	7.00			20	31	2 !	20	19	18
1.1	14	13	13	13	13	13	14	15	17	17	17	17	18	17	18	18	19	19	17	32 21	22	21	23	23	20
12	18	18	18	17	1.7	17	18	21	20	20	20	21	22	21	21	21	21	22	15	17	17	22	26	22	26
13	23	23	22	26	24	24	32	48	57	55	36	32	25	19	15	15	15	15	14	12	13	15	12	12	18
14	22	16	17	16	16	1.7	18	19	25	23	25	23	20	22	19	15	15	17	9	9	12	12	11	12	12
15	11	10	9	9	8	19	19	18	9	9	10	10	10	12	13	13		12	12	11	12	12	12	12	1.1
16	10	10	1.1	10	10	1.1	1.1	1.1	11	1.1	1.1	10	8	9	9	9	10	14	12	12	11	11	11	11	13
17	11	11	1.1	11	3.1	12	13	14	14	16	15	17	17	13	13		15	15	13	12	11	11	11	11	12
18	11	11	1.1	1.1	1.1	1.1	1.1	13	15	15	13	12	13	13	13	13	15	15			11	11	11	13	12
19	12	1.1	1.1	1.1	1.1	10	10	11	13	14	15	14	13			14	14	13			12	1.4	12	14	13
20	13	13	12	12	12	12	11	13	13	16	17	16	15	15	14	14	1.54	13	1.5						
									****		and:		9	9	11		15	16	14	13	14	13	11		
21	14	12	12	1.1	10	10		1.1	11	12	11	11	12			15	16	17				18	22	19	
22	10	10	10	1.0		9	9	9	10	10	10	16	17			13	13	14				15	18	22	
23	31	37	36	39	34	33	39	26	23	17	24	29	23			20	18	18				19	18		
24	25	27	29	25		18		23	21		15	14	14				16	17			14	14	12		
25	18			14		13		16	14	15 28	22	16	19				11	12		15	8	7			
26	12			13		12		12	24 12	12	12	11	12				14	14		13	12				
27	8			9		11	11			11	10	11	10				13	14	12	12	13	13			
28	25		13	1.2	12	11	12	15	19	13	14	14	14				14	14	1 2	13	13	13			
29	****				232	****	200			12	12	12	11				1.1	1.1			11	1.1	11	11	1.2
30	15	14	1.4	13	12	12	12	12	12	12	12	1.2		7.3											
31	11	11	11	1.1	10	10	11	11	11	12	13	13	1.1	12	12	12		11	10	10	10	10	) 10	10	11
31	1.1		+ 0						*			17	16	3 16	5 15	16	16	16	3 15	16	16	16	3 16	5 16	16.0
MEAN	16	16	15	15	16	17	16	17	17	17	17	17	1.0	2. 13	, 15	,			. ,,						

PERCENTAGE OF DATA VALIO - 94.5 PERCENTAGE OF DATA INVALID - 5.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3: \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	HYDR	OCARE	ONS							UNITS	. 0	1 PAR	TS/MI	LLION							
	ST	ATION	· sw	NO	14049	,	156 V	/ICTOR	IA ST	NORT	H S	RNIA				MON	ITH -	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	9	9	9	9	9	9	9	9	10	11	1.1	11	3.1	12	13	14	14	13	14	14	12	12	12	1.1
2	12	12	3.1	11	10	1.1	12	14	16	12	17	22	19	17	19	17	15	16	23	21	20	17	15	17	16
3	21	23	22	25	12	1.1	1.1	12	12	12	12	1.1	1.1	12	12	14	15	13	1.1	1.1	12	13	13	13	1.4
4	12	12	1.1	1.1	1.1	12	14	16	19	20	17	16	14	15	****		24	20	19	19	21	19	16	16	16
5	14	13	13	13	15	15	15	15	14	15	16	16	15	16	16	17	17	17	17	16	16	16	16	16	15
6	16	16	16	16	15	15	15	16	16	16	16	16	16	16	16	16	17	17	18	17	17	18	19	16	16
7	15	16	16	16	16	16	16	17	19	17	17	18	17	17	17	17	18	16	16	16	23	31	34	43	19
8	33	39	43	46	38	44	32	40	38	42	38	34	33	32	26	24	23	23	19	22	30	32	26	28	33
9	29	28	38	37	27	37	37	37	34	25	17	15	13	14	17	24	21	20	20	26	27	25	21	19	25
10	19	19	19	20	23	36	35	34	41			23	21	16	21	19	18	16	18	19	36	50	54	30	27
11	22	26	39	35	31	29	40	17	21	15	17	17	16	14	14	1.4	15	16	16	14	16	1.4	14	17	20
12	20	20	1.7	26	33	26	27				****		****			****			* * * *						
13	-			A. 10								14	DATA	INVAL	ID -										
14			and en		****	****		****		***			****	****	15		16	15	15	14	14	14	14	14	*****
15	14	13	13	13	13	13	13	13	14	15	15	16	16	16	16	16	18	18	16	16	17	20	21	17	16
16	16	16	15	15	15	15	15	16	16	16	16	16	15	15	15	17	18	17	15	16	18	17	18	18	16
17	17	17	17	16	16	17	19	19	22		****	23	22	21	19	18	18	26	21	30	25	18	21	20	20
18	19	15	13	15	14	13	14	17	19	20	16	23	29	24	29	28	35	44	41	24	23	22	23	21	23
19	16	14	12	11	1.1	11	12	13	13	14	13	14	14	14	14	13	13	14	14	13	14	15	14	16	13
20	13	13	13	13	13	13	12	12	13	13	12	12	12	12	12	12	12	12	12	12	13	12	12	12	12
21	12	12	12	13	12	12	13	14	15	17	16	15	15	14	14	15	17	20	19	17	18	19	18	23	16
22	18	16	15	17	19	17	18		18	31	19	18	17	17	16	16	16	17	16	18	18	16	16	15	18
23	14	14	15	15	16	16	16		17	17	18	18	18	18	18	16	16	17	16	16	17	16	17	17	16
24	16	16	16	15	15	15	15	16	15	16	15	17	15	15	17	19	25	25	33	16	19	25	24	14	18
25	13	1.4	13	12	12	12	13	14	13	13	14	14	15	15	14	15	16	17	16	15	15	16	15	15	14
26	16	1.5	1.5	15	14	1.4	15	15	15	17	17	19	18	20	19		19	18	17	20	18	17	16	15	17
27	15	15	15	15	15	15	14	14	14	15	15	14	16	15	15		16	15	15	16	16	16	16	16	15
28	16	16	15	18	16	16	17	18	18	18	18	17	17	17	17	17		****						****	17
MEAN	17	17	1.7	18	17	18	18	18	18	19	17	17	17	17	17	17	18	19	18	18	19	20	19	18	17.8

PERCENTAGE OF DATA VALID - 89.9 PERCENTAGE OF DATA INVALID - 10.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	MOITA	- SW	NO	14049	)	156 V	ICTOR	IA ST	NORT	H 54	RNIA				MON	TH -	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	••••	••••											17	16	16	15	14	14	14	13	14	14	14	14	
2	14	14	14	14	14	14	16	16	17	16	15	16	16	16	15	15	16	17	29	22	20	18	18	19	17
3	20	22	39	36	32	30	49	34	22	21	21	20	18	18	18	18	19	17	16	15	15	15	15	15	23
4	15	15	15	16	14	14	14	15	15	16	15	15	15	15		23	21	15	15	15	23	20	16	14	16
5	14	14	14	13	20	25	14	13	14	14	14	14	16	16	16	15	16	16	15	15	15	15	15	15	15
6	15	15	15	15	15	15	16	16	15	15	15	16	15	16	16	16	16	16	16	17	17	18	18	18	16
7	18	16	16	16	15	16	17	17	19	20	19	17	18	18	18	18	17	19	18	28	41	25	46	32	21
8	32	30	27	24	48	55	52	47	40	42	47		36	34	29	31	25	24	21	16	22	19	21	21	32
9	21	20	18	19	21	23	24	26	32	38	39	36	33	30	33	34	38	49	49	63	55	99	56	31	37
10	40	53	45	59	37	48	55	40	44	36	32	31	31	22	19	17	17	22	22	23	26	41	28	32	34
11	23	19	20	18	18	17	18	22	20	20	20	18	15	15	••••	15	15	18	19	19	18	18	15	16	18
12	14	15	15	15	14	14	14	14	14	15	14	15	16	15	14	12	12	12	1.1	12	12	13	11	12	14
13	12	10	11	13	19	16	13	16	28	23	19	21	17	15	16	18	21	14	14	18	22	17	14	13	17
14	13	14	15	15	14	14	16	17	17	16	16	15	15	15	14	15	18	15	15	16	14	15	20	29	16
15	38	38	25	21	22	20	19	21	17	15	14	14	17	19	18	18	20	19	17	16	21	18	15	14	20
16	13	13	12	12	13	13	13	13	14	14	14	13	14	13	13	13	13	13	12	12	12	13	13	13	13
17	14	13	13	13	13	15	15	15	14	15	15	14	15	16	15	14	15	15	15	15	14	14	13	13	14
18	13	13	13	12	12	12	12	12	13	13	12	12	13	13	13		17	16	16	14	14	15	14	15	13
19	13	14	14	16	16	16	15	18	19	19	20	18	19	17	15	15	18	16	17	17	17	17	17	17	17
20	15	14	14	13	12	12	11	1.1	11	11	12	10	10	10	10	10	10	10	12	14	13	13	15	13	12
21	12	12	13	14	21	38	42	37	34	••••	••••		••••	• • • •	••••	••••	••••	••••	• • • •	••••	••••	••••	••••	••••	*****
22													DATA												
23														INVA											
24												1960		INVA											
25													DATA												
26													DATA												
27													DATA												
28													DATA												
29													DATA												
30													DATA	INVA	LID -										
31												(5)	DATA	INVA	LID -										
MEAN	18	19	18	19	20	21	22	21	21	20	20	18	18	17	17	17	16	18	18	19	20	22	20	18	19.2
						_		nr nr					10	26 4			DCEN.		AE DA	TA UNA	WATE	ADI E	- 0.		
PERCE	NTAGE												ID -			PI	HCEN	IAGE (	UF DA	IM UNA	ANIL	BUE	- 0.	,	
NOTES	1: 3	*****	IND	ICATE	S INV	ALID	DATA	DUE TI	O INS	TRUME	ITATE	ON FA	LURE												

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTA	NT -	TOTAL	L HYDR	ROCARB	IONS							UNITS	· o.	1 PAR	TS/MIL	LION							
	ST	ATION	1 - SW	NO	14049	3	156 V	ICTOR	IA ST	NORTH	H SA	RNIA				MON	тн	IUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	WEAN
1 2 3 4 5												- DA - DA - DA	TA UN TA UN	AVAILA AVAILA AVAILA AVAILA	ABLE ABLE	:									
6 7 8												- DA	TA UN DATA DATA	INVAL:	ABLE ID -										
9 10	••••	••••		••••					,					INVAL	ID - 29	30	28	27	26	25	26	26	27	35	• • • • •
11	46 23	48 25	73 26	91 25	82 24	84 26	41 27	37 25	31 26	33 26	26 25	24 25	28 23	30 23	32 23	32 23	30 23	29 24	29 24	29 24	31	34	30 24	25 24	41 24
13	24	25 21	25 24	26 22	26 22	26 21	25 22	25 23	23 23	23 23	24 23	24	26 25	27 24	25 22	24	24 20	23 19	23	23 19	23	24	23 19	18	24 21
15	18	18	17 35	17	17 46	17	18	18	18 38	19	19	19	21	21	22	31	24 26	24 26	24	23 26	26 25	29	29 23	28 23	21 33
17	26 36	36	34 21	21 23	22 24	21	22	23	24 26		23	27 22	28	28	29	28	30	30 20	37	35 22	27	30	35 21	34	28 23
19	21 25	28 20 47	21 36	21 41	21 28	21 24	19	18	17	18	27 20	29 29	18	19	27 20	30	19	21	21 33	23 31	24 27	27 25	25 24	23 21	22
21	20 49	19	19 60	19 69		21 58	32 37		32 35	32 35	32 36	33 35	33 35	33 36	33 33		32 25	33 22	29 27	22 24	33 33	39 34	38 39	44 38	30 39
23	37 25	37 24	36 24	31 23		36 26	36 44	44	23 29	24 28	26 27	27 25	27 30	26 28	26 25	27	24 26	27 29	28 42	28 38	34 39	30 38	25 39	26 49	29 31
25 26	39 26	31 30	25 24	21		20	21		21	21	23 21	23 20 25	23 21 27	24 20 24	23 21 22	23 20 20	24 21 19	23 22 19	24 24 19	23 26 22	22 28 22	21 32 22	23 33 22	21 39 22	23 24 33
27 28 29	44 23 19	49 23 20	38 21 22	46 22 18	22 17	57 26 17	66 42 17	17	38 33 17	30 35 17	27 35 18	29 23	30 25	24 27	25 29	26 29	24 27	22 26	27 29	39 30	22	22 30	26 30	19 24	28 23
30 Mean	27 29	25 30		42 32		81 35	50 31	40 31	32 26	43 26	40 26	43 27	39 27	26 26	27 26	26 26	26 24	30 25	28	25 27	31 27	42 28	56 29	25 28	36 28.1

PERCENTAGE OF DATA VALID - 67.9 PERCENTAGE OF DATA INVALID - 10.4

PERCENTAGE OF DATA UNAVAILABLE - 21.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	ATION	- SW	NO	14049		156	VICTOR	IA ST	NORTH	SA	RNIA				MONT	rh - s	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4	••••	••••	•••	••••	••••	••••	****	****	••••	27	25	- DA	TA UN TA UN TA UN	AVAIL AVAIL AVAIL	ABLE ABLE ABLE		×	•	æ		:•	*	*	•	
5 6 7 8 9	21 25 23 23	23 25 23 22	22 25 23 22	21 25 23 22	22 25 25 25 22	23 26 29 22	24 29 35 22	26 29 39 22	31 30 30 22	34 29 29 22	24 31 28 27 22	23 26		26 28 30 22	26 25 26 29 22	25 26 24 31 22	22 26 24 36 21	20 26 25 42 21	21 24 25 39 21	20 25 28 33 22	21 26 27 24 22	21 26 28 22 23	21 26 24 22 25	22 26 23 23 23	26 26 29 22
11 12 13 14 15 16 17 18 19 20	23 29 26 20 29 22 31 26 24 23	23 28 24 19 24 22 29 36 22 23	23 26 22 19 34 22 30 37 22 23	25 27 22 19 27 23 29 26 23 23	25 26 26 19 39 23 39 26 22 22	25 33 25 19 24 23 28 26 22 22	25 51 24 20 23 24 29 26 24 22	24 29 38 20 23 29 30 26 25 23	24 29 28 21 24 30 30 29 27 23	23 29 28 21 23 30 28 29 25 23	23 25 29 21 23 36 25 26 23 23	23 28 21 22 32 25 25 23	24 28 28 22 22 38 25 24	24 29 27 22 21 32 25 25 25 25	24 29 27 22 21 28 26 25 25	26 23 26 23 29 29 29 24 34 22	27 28 25 23 24 29 27 26 44 23	29 27 23 24 24 33 25 25 27 22	31 29 24 26 23 34 25 24 24 23	34 25 21 28 24 36 26 24 28 23	40 26 21 31 23 38 32 24 27 23	43 23 21 36 22 43 27 24 23	34 23 21 43 22 44 31 25 23	1 26 20 40 22 28 29 23 23	26 25 24 24 30 28 26 25 23
21 22 23 24 25 26 27 28 29 30	23 25 24 26 25 20 22 40 31	22 23 24 24 25 25 20 23 43 41	22 23 24 23 26 24 21 23 40 62	22 23 24 22 27 23 23 23 22 39 38	22 29 24 22 26 24 23 23 34	22 28 24 22 38 22 23 23 27 38	23 32 24 22 43 22 23 25 29	24 29 25 21 45 23 23 25	24 25 25 22 27 22 23 24 33	25 25 25 22 27 21 22 23 32 37	25 25 25 22 27 20 23 23 35 41	25 25 24 22 27 20 23 22 42 33	27 26 25 22 27 21 24 23 50 35	25 25 23 22 25 22 24 24 40 32	25 26 24 24 26 21 23 25 29	25 27 26 24 27 21 23 27 29	25 29 24 24 29 20 23 27 29 30	24 28 23 23 28 19 23 27 28 30	25 26 26 25 28 20 23 29 26 22	26 55 28 29 21 24 30 31 23	26 30 24 29 29 21 24 35 36 22	25 26 23 26 29 21 23 35 30 20	24 28 24 28 28 21 22 37 38 25	23 25 23 27 28 20 22 37 31	24 28 24 24 29 22 23 26 34 33

MEAN 25 26 27 25 26 28 28 28 27 26 26 25 27 26 25 27 26 26 27 26 28 27 27 27 24 26.2

PERCENTAGE OF DATA VALID - 81.8 PERCENTAGE OF DATA INVALID - 2.1 PERCENTAGE OF DATA UNAVAILABLE - 16.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	T - 1	DTAL	HYDRO	CARB	ONS							UNITS	- 0.1	PART	S/MIL	LION							
	514	TION	- SW	NO	14049		156 V	CTORI	A ST	NORTH	SAF	RNIA				MONT	гн - с	CT	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	IEAN
1	20	20	20	20	20	21	21	21	21	22	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20
2	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	19
3	20	20	20	20	20	20	20	21	21	22	21	21	21	22	22	22	22	20	21	21	21	21	21	21	21
4	21	23	21	21	22	22	23 45	24		23	23	23	23	22	22	22	21	21	22	23	24	24	24	24	23 32
5	29	46	68	56	54	54	26	29	28	24	23	25	24	23	22	23	23	23	23	24	24 22	22	21	21	23
	23	22	23	23	23	24	23	27	25	23	23	23 25	22	21	21	23	22	22	24	21		20	21	19	22
é	20	21	22	21	22	22	22	26	22	23	28	33	29	24	31	23	22	22	25	29	21	23	22	22	24
9	22	21	21	22	21	20	20	20	19	19	19	20	21	19	19	19	19	19	19	20	19	19	20	19	20
10	19	19	19	20	20	20	22	22	22	21	20	21	22	24	23	22	23	23	21	21	22	21	22	26	21
10	19	13	1.9	20	20	20	22	22	-2	2.1	20	2 '		2-	23		2.5	20	2.	2 1	22	2.1	**	20	•
11	31	26	21	26	21	20	21	22	25	26	27	21	22	21	21	30	41	37	55	39	37	29	29	24	28
12	22	20	19	19	20	20	21	21	21	20	20	21	23	21	22	22	21	20	20	21	22	21	20	20	21
13	20	20	20	20	20	21	22	23	23	22	22	22	23	24	26	26	25	25	32	38	33	31	31	32	25
1.4	33	36	36	35	41	54	58	36	38	27	23	23	21	22	21	22	23	24	35	56	54	57	59	31	36
15	80	72	79	BO	72	50	47	62	56	36	31	26	25	25	22	21	20	18	18	18	18	18	18	17	39
16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18	17	17	17
17	17	17	17	17	17	17	18	19	20	19	19	18	19		20	25	28	25	29	27	22	26	25	26	21
18	30	31	36	45	39	36	25	27	29	27	27	26	26	27	26	25	24	20	20	21	22	28	22	24	28
19	23	21	21	21	22	26	26	24	23	22	22	22	21	22	23	24	22	23	23	23	23	25	24	24	23
20	27	24	28	27	25	27	30	34	38	31	27	24	26	24	24	25	23	24	27	53	54	57	59	41	32
21	41	37	34	32	47	61	66	64	53	39	35	31		30	29	29	29	34	38	33	42	43	47	48	41
22	41	36	24	26	23	22	21	21	22	20	20	20	20	21	21	21	21	21	22	20	20	21	21	21	23
23	21	21	22	21	20	20	21	21	21	20	21	21	21	22	21	21	21	22	23	25	25	24	21	21	22
24	21	22	22	21	23	25	26	38	26	26	26	26	25	26	27	27	26	29	29	31	32	33	32	27	27
25	28	28	27	31	27	28	31	31	28	29	36	35	36	29	26	27	28	26	26	28	30	29	29	31	29
26	30	31	32	39	33	30	37	50	48	53	34	24	23	23	25	25	28	23	26	29	32	31	28	25	32
27	25	25	24	23	24	24	28	31	32	66	61	44	41	37	38	38	38	37	29	27	27	28	28	27	33
28	26	25	25	24	25	25	26	28	29	• • • •	• • •	23	24	24	24	23	24	24	25	24	32	24	28	21	25
29	21	22	22	21	21	23	24	23	23	23	22	23	22	23	23	23	23	23	22	22	24	22	23	23	23
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31	21	21	21	22	23	22	23	25	25	24	24	24	24		24	43	26	23	23	22	23	22	21	23	24
MEAN	26	26	27	27	27	27	27	28	27	26	25	24	23	23	23	24	24	23	25	26	27	26	26	24	25.6

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.5

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA UNAVAILABLE - 0.3

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL HYDROCARBONS

# UNITS - 0.1 PARTS/MILLION

STATION - SW NO 14049 1	56	VICTORIA	ST	NORTH	SARNIA	
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MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	16.0	29	76
FEB	25	17.8	33	54
MAR	19	19.2	37	99
APR		DATA UNAVA	ILABLE	
MAY		DATA UNAVA	ILABLE	
JUN	20	28.1	41	91
JUL	30	27.4	40	80
AUG	27	23.5	34	124
SEP	24	26.2	34	62
OCT	31	25.6	41	80
NOV	30	23.6	33	53
DEC	30	28.2	40	70
YEAR	265	23.6	41	124

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY G	ROUP F	REQUE	NCY D	ISTRI	BUTION FO	R 1977									
POLLUTANT	- TOTA	L HYE	ROCAR	BONS						UNITS -	0.1 PAR	RTS/M	ILLION		
STATION -	SW N	0 140	049	156	VICTORIA	ST NOR	тн	SARNIA							
MONT	H 00 T	0 10	11 1	0 19	20 TO 30	31 TO	60	61 TO	90	91 - 14	141-	200	20180VER	TOTAL	
JAN		60		518	101		23		1		ס	0	0	703	
FEB		11		471	80		42		0		0	0	0	604	
MAR		8		346	64		53		3		1	0	0	473	
APR			DATA	UNAV	ATLABLE										
MAY			DATA	UNAV	ATLABLE										
JUN		0		43	326		110		9	19	ļ	0	0	489	
JUL		0		13	539		156		4		)	0	0	712	
AUG		0		107	473		63		3	9	,	0	o	647	
SEP		1		6	499		82		1		)	0	0	589	
OCT		0		79	543		104		12		)	0	0	738	
NOV		0		65	587		50		0		)	0	0	702	
DEC		0		25	474		224		2	(		0	0	725	
YEAR		80		673	3686		907		33	2	3	0	0	6382	
FREQUENCY			ON BY	PERCE	NTILES				-C-2010 MA	ncowo wakasa masaani soro					
	OF DAT	Δ				F	REQU	ENCY DI	STR	TRATIONS					ARITH
	VALID	)	WIN		10	30	50	7	0	90	95	,	98 99	ХАМ	
	87.	5	1	1	3.7 19	9.5	21.9	24.	9	33.3	38.7	47	2 54.5	124	23.6

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION . SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON MONTH - JAN HOUR 7 ' 8 24 MEAN 22 22 47 60 25 25 22 28 24 22 24 33 30 23 24 20 28 23 22 22 34 31 22 24 20 28 25 30 28 25 25 24 28 24 24 22 3 4 5 6 7 8 9 22 23 48 36 24 26 21 28 23 23 43 40 21 25 20 28 27 29 54 27 15 29 22 28 27 24 22 25 22 29 25 21 26 30 27 26 25 25 24 29 76 37 27 26 24 28 20 22 23 63 46 26 26 22 28 23 24 25 42 32 15 27 21 29 26 42 25 19 31 22 27 26 25 32 25 20 28 22 26 26 25 23 24 20 24 23 24 27 25 21 24 21 24 23 24 27 25 21 26 22 23 24 22 26 23 21 25 22 23 25 20 32 33 25 26 25 25 19 24 41 35 25 26 25 26 19 23 65 44 24 26 24 28 20 26 61 33 28 27 24 29 20 27 26 20 26 23 25 31 36 30 22 26 23 24 46 40 20 26 20 28 23 24 22 17 27 23 24 22 27 12 13 14 15 16 17 18 19 23 24 22 23 28 24 21 22 27 23 24 22 23 28 24 21 21 27 23 23 22 23 29 24 21 21 26 23 22 23 29 25 21 21 28 24 24 22 23 28 26 21 20 28 24 26 23 28 26 23 19 29 25 30 25 23 28 26 25 20 31 25 33 25 23 28 28 30 23 35 24 28 26 23 28 27 28 27 28 23 49 23 27 23 27 26 24 23 32 23 24 26 24 27 27 27 23 23 23 23 24 26 26 26 29 21 19 30 24 24 24 26 27 21 19 31 22 23 22 26 27 22 20 31 22 23 22 25 27 23 20 33 23 22 24 34 25 28 27 21 36 26 22 24 31 26 33 27 22 40 27 22 25 30 26 24 24 23 37 25 21 25 29 26 23 23 25 36 24 21 25 27 26 23 25 26 35 24 25 24 26 24 23 26 27 33 28 25 23 27 23 25 26 27 36 28 23 22 27 22 25 27 33 24 24 25 27 26 24 22 23 24 25 26 27 28 29 30 24 30 28 32 23 21 21 21 22 26 32 28 33 21 21 22 20 20 26 32 29 33 22 21 19 27 31 30 34 24 22 21 20 20 27 30 32 37 24 23 24 21 20 29 30 30 25 22 23 23 21 21 29 32 32 21 22 23 23 20 21 29 32 33 23 22 25 22 20 21 29 34 33 23 23 31 22 20 21 29 33 32 24 23 25 21 20 21 33 33 23 22 24 22 30 33 22 19 23 22 21 31 38 22 20 23 22 21 31 27 33 22 32 29 33 21 21 21 19 31 30 26 22 22 21 21 20 31 27 33 22 21 22 20 21 31 28 33 21 21 22 20 20 30 38 23 22 22 21 30 30 22 21 23 22 20 21 32 20 20 23 22 20 21 32 38 22 21 25 22 21 21 32 34 23 31 28 23 22 23 21 20 23 22 20 21 20 20 21 MEAN 25.5

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	Т - Т	OTAL	HYDRO	CARB	ONS						L	JNIIS	- 0.1	PART	S/MIL	LION							
	STA	TION	- sw	NO	15001	,	WESTER	N FAI	R GRO	UNDS	KING/	RECTO	RY, LO	NDON		MONT	гн - ғ	EB	77						
HOUR DAY	٩	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EΔN
1 2 3 4 5 6 7 8 9	21 22 23 21 21 21 25 22	21 21 22 23 21 21 21 25 22 24	22 23 21 23 19 20 20 25 22 23	21 23 21 23 19 20 20 25 22 23	20 23 21 23 18 19 20 25 21 23	19 23 21 22 18 21 20 25 21 25	19 24 22 24 18 21 21 26 22	19 25 23 27 18 21 23 27 23 33	21 28 25 25 18 21 24 28 24 35	21 27 26 24 19 21 24 28 23 35	21 25 26 23 18 21 22 28 23	21 25 25 23 19 22 21 24 23 22	19 24 25 22 19 21 22 23 24 22	18 23 24 22 18 21 22 23 24 22	18 22 **** 22 18 21 23 23 23 22	18 22 22 23 19 22 23 23 24 21	21 22 23 24 19 22 24 22 25	22 23 24 22 19 21 28 23 26	23 24 23 22 20 23 28 22 26	23 24 23 22 21 23 30 21 26	24 22 23 21 22 24 29 21 26	24 22 23 21 21 25 28 21 25	22 22 23 21 21 25 37 21 27	21 24 23 22 22 23 35 21 30	21 23 23 23 19 22 24 24 24 24
11 12 13 14 15 16 17 18 19 20	14 29 24 19 20 20 25 24 28 21	14 29 23 19 20 21 24 25 28 21	14 28 22 19 20 21 23 26 26 21	13 23 21 20 20 21 23 28 21 21	13 23 19 20 20 21 23 28 20 21	13 23 18 20 20 22 25 27 19 21	13 30 18 21 21 23 26 26 20 21	14 30 18 22 24 26 28 20 21	15 27 18 23 22 26 28 26 20 21	14 25 18 21 20 23 25 25 20 20	14 24 18 17 20 21 24 25 20 20	20 27 19 19 20 20 24 25 20	24 27 20 20 20 20 23 25 21	24 25 21	24 25 21 21 20 25 26 22	24 25 21 28 21 20 24 26 22 20	24 28 22 23 20 22 25 27 25 20	25 28 22 22 21 22 25 27 22 20	25 27 22 20 21 21 23 26 22	28 28 21 21 21 21 23 27 22 20	27 28 21 21 21 21 23 28 21 20	27 24 21 22 21 21 23 29 21 20	28 32 21 22 22 22 24 30 21 20	26 28 19 21 21 22 24 34 21 20	20 27 20 21 21 21 24 27 22 20
21 22 23 24 25 26 27 28	20 21 25 23 20 21 21 16	20 21 25 23 20 21 22	20 21 26 22 21 20 22 15	20 21 26 22 21 20 22 15	20 21 25 22 21 20 21 15	21 27 23 21 20 22 15	23 21 25 24 21 19 20	23 22 26 24 22 19 18	21 23 26 25 23 20 20	20 24 26 26 23 21 23	20 22 26 26 28 21 23 15	20 22 25 23 24 21 20 14	20 22 27 24 22 23 16 14	21 22 27 22 22 21 16 15	21 25 22 23 21 17	21 25 22 23 21 15	23 22 26 23 23 23 15	24 22 26 23 23 23 15	24 23 25 22 23 23 16	24 25 25 21 23 23 16	23 26 25 20 24 22 15	22 27 25 20 23 21 15 38	25 26 25 21 22 26 15	29 26 26 20 22 22 16 16	22 23 26 23 22 21 18
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- NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

  2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	ATION	- SW	NO	15001		WESTE	RN FA	IR GR	OUNDS	KING	RECT	ORY.LO	NOON		MON	TH - 1	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
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2	24	24	25	24	24	24	25	26	28	25	25	26	26	27		39	34	31	31	32	26	27	35	25	28
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20	29	28	23	23	23	23	23	23	24	24	24	24	24	21	19	18	18	18	18	20	22	23	23	23	
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21	24	24	24	24	24	24	24	26	27	27	26	25	24	24	22	22	23	24	24	27	25	26	32	27	25
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PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. " \*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- " " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON MONTH - APR 24 MEAN 25 19 23 19 19 24 17 25 23 22 18 24 19 18 22 17 22 17 23 19 17 22 17 22 17 24 19 17 21 23 17 24 20 17 23 18 23 17 25 19 17 24 18 23 17 25 19 17 23 17 24 17 26 20 17 23 18 23 25 23 17 26 18 17 23 18 22 23 23 17 25 17 17 23 18 23 23 24 19 24 18 18 22 19 23 23 18 25 17 18 23 18 22 23 25 19 25 18 18 23 19 21 23 22 19 25 18 18 22 19 24 23 20 25 19 18 23 19 22 23 26 20 24 19 19 23 18 22 23 21 24 19 19 23 19 25 23 20 21 25 19 20 24 19 23 22 20 21 24 18 22 20 25 23 19 23 17 23 19 25 25 23 20 23 21 17 22 18 28 28 24 21 23 22 17 23 18 23 25 25 22 19 24 18 19 22 19 23 23 22 22 17 22 18 20 25 24 23 24 25 12 13 14 15 16 17 18 19 20 25 26 18 31 31 33 31 21 28 25 23 20 26 28 30 24 21 25 30 24 19 29 31 26 21 27 25 23 20 27 28 38 24 23 24 25 22 19 26 29 43 24 23 25 25 22 19 28 30 46 24 23 27 26 22 19 29 31 46 26 24 27 33 24 20 24 24 24 27 25 27 37 22 20 22 21 28 24 23 25 21 20 20 21 20 25 23 22 26 23 19 26 26 29 26 27 28 21 19 19 21 20 24 23 22 19 21 20 18 20 21 24 22 21 19 21 19 17 19 20 23 22 21 20 20 19 20 21 23 23 19 18 19 19 19 21 21 19 18 19 20 19 22 22 24 20 17 19 19 19 22 24 22 19 21 22 23 22 23 25 20 25 19 28 26 27 29 28 26 21 21 20 23 24 27 25 23 24 24 19 18 19 20 19 22 25 23 19 20 20 20 23 26 25 23 26 19 24 27 23 23 24 25 22 25 19 25 26 26 24 30 24 23 22 23 24 25 26 27 28 29 30 19 27 23 31 33 36 29 31 28 20 28 23 30 33 36 26 29 24 24 32 38 21 20 27 26 22 33 43 19 34 20 26 27 22 33 43 23 28 28 23 33 43 27 21 28 30 28 31 48 29 23 28 30 25 31 43 28 35 23 23 29 29 21 28 25 27 33 32 30 23 23 29 24 27 33 26 30 21 22 26 27 23 27 30 25 30 26 27 24 27 25 30 20 26 26 25 27 25 21 29 20 23 27 26 30 31 21 24 20 25 29 28 25 32 32 20 22 29 26 25 32 31 20 22 19 22 29 26 25 33 27 26 23 28 22 27 25 27 35 35 35 31 28 27 27 24 27 36 36 26 31 25 24 27 26 29 32 32 27 27 24 24 25 29 33 31 30 29 30 25 26 28 35 35 39 30 35 27 28 25 29 33 29 28 26 25 27 23 27 32 26 30 21 40 29 33 22 22 24.0

PERCENTAGE OF DATA VALID - 99.2

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PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "- " INDICATES DATA IS UNAVAILABLE
- 3. " " INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY. LONDON MONTH - JUL HOUR 1.1 24 MEAN 17 24 18 19 20 20 18 20 16 21 17 18 20 20 17 17 19 18 17 25 20 17 18 17 19 19 18 28 20 17 16 20 19 19 24 21 18 17 19 20 18 22 21 18 17 16 21 18 17 22 21 19 17 19 18 18 21 22 17 17 20 19 19 25 21 17 18 20 22 19 22 22 19 21 19 22 17 18 20 21 23 21 18 18 18 21 20 21 23 20 18 18 17 21 19 25 22 19 18 18 20 21 25 21 17 3 4 5 6 7 8 29 18 22 24 22 18 19 20 18 18 20 20 17 20 18 17 23 20 17 18 19 20 19 23 21 18 18 20 23 24 21 18 18 20 21 22 18 19 18 21 26 22 18 19 19 20 22 18 19 20 17 21 21 17 21 20 17 19 12 13 14 15 16 17 18 19 23 20 25 14 27 21 18 23 19 21 14 19 19 21 22 19 18 14 22 19 22 18 17 14 23 16 17 18 23 18 17 14 29 16 18 27 19 18 17 30 16 20 18 28 23 19 15 24 20 17 25 25 21 16 22 20 16 28 25 23 15 18 16 22 23 17 15 18 19 16 21 38 16 15 17 16 21 23 19 15 16 19 17 20 23 16 15 19 17 21 20 16 15 17 16 20 18 20 19 15 15 17 19 18 22 18 19 14 17 15 24 17 21 23 19 16 17 18 23 23 21 13 17 15 18 18 22 18 18 13 17 15 18 19 21 15 16 16 17 16 18 21 24 16 16 21 17 19 19 24 27 16 30 17 29 18 26 21 23 14 41 16 19 23 21 18 18 20 22 23 24 25 26 27 28 29 16 23 18 15 15 19 28 24 16 22 17 15 15 19 18 27 16 22 16 15 15 15 21 19 26 16 25 15 15 14 21 19 25 17 15 15 14 18 16 19 17 15 15 22 15 14 14 15 15 15 14 14 29 15 15 14 19 18 16 18 15 14 14 14 19 16 15 15 14 13 16 15 16 15 15 19 17 16 17 16 14 17 16 16 16 16 17 16 16 17 16 14 16 16 17 14 15 17 15 16 17 14 15 19 20 16 16 17 14 16 20 19 16 16 15 17 20 16 16 17 16 14 16 16 16 17 16 15 17 17 17 17 16 16 17 17 15 16 16 19 24 19 16 16 17 20 26 18 16 16 18 20

31 × DATA INVALID -

MEAN 21 20 20 18.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

PERCENTAGE OF DATA UNAVAILABLE . O.O.

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NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON MONTH - AUG HOUR 24 MEAN DATA 17 16 15 20 18 21 21 19 2 3 4 5 6 7 B 9 1 D 17 18 20 19 21 22 19 21 17 17 19 19 21 21 18 15 16 19 18 20 22 18 21 15 16 19 18 21 21 19 20 17 16 19 18 21 23 20 16 19 18 21 21 19 20 19 19 20 21 21 19 20 17 19 20 20 19 21 21 19 21 20 19 18 23 18 19 20 21 21 20 19 21 19 21 21 21 22 20 21 19 17 22 21 21 22 20 21 20 17 21 21 21 22 19 21 20 18 23 21 21 20 19 22 21 17 20 21 21 19 19 21 20 18 20 22 22 19 20 21 18 20 21 24 19 20 21 17 20 19 25 18 19 20 20 21 20 20 20 20 17 20 20 22 19 19 21 17 20 20 23 21 19 22 20 20 21 22 20 21 20 21 19 22 24 19 21 19 22 19 20 20 12 13 14 15 16 17 18 19 20 19 21 20 29 23 18 17 25 22 18 24 19 29 22 17 17 33 22 21 18 30 22 17 15 40 24 19 20 19 33 25 17 15 29 24 19 20 19 37 22 17 17 26 24 20 20 19 32 22 17 19 25 26 21 19 22 24 17 18 28 24 19 18 18 20 21 19 31 22 17 18 33 22 19 18 24 21 17 18 27 19 18 20 21 17 17 18 22 18 18 19 21 17 17 18 23 19 18 19 20 17 28 18 23 19 19 18 19 20 17 19 18 24 19 19 18 20 20 17 18 18 25 19 19 18 19 19 19 19 19 19 18 18 19 19 19 18 19 21 19 20 19 18 19 20 20 20 19 19 20 31 25 18 19 25 21 36 19 21 23 20 18 23 24 19 21 27 19 19 28 21 21 23 33 18 19 31 20 20 25 21 18 20 25 25 25 17 19 21 22 23 24 25 26 27 28 29 20 21 18 27 27 31 18 20 25 19 22 17 34 23 25 19 21 23 19 21 19 27 24 22 21 21 26 19 20 17 18 22 19 18 22 20 20 21 17 30 27 27 18 20 24 20 21 17 29 22 25 19 21 23 19 21 18 29 22 24 20 20 20 21 19 27 24 22 20 20 23 19 21 18 24 20 19 23 25 19 21 17 19 24 19 19 18 17 18 21 20 20 18 17 19 21 19 19 20 17 17 18 21 19 19 21 18 17 18 22 20 19 19 22 18 17 19 22 19 18 18 23 21 18 17 18 17 19 22 19 18 18 18 17 19 22 19 18 18 22 18 17 19 23 19 18 18 20 22 19 18 20 24 19 20 19 26 22 21 24 23 19 21 20 26 21 26 22 23 23 19 19 20 21 21 23 28 24 19 19 21 18 24 27 26 18 20 22 21 20 20 18 23 23 21 19 20 22 19 18 MEAN 20.5

PERCENTAGE OF DATA VALID - 94.2 PERCENTAGE OF DATA INVALID - 5.8

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	\$1	TATION	- SW	NO	15001		WESTE	RN FA	IR GR	OUNDS	KING	/RECT	ORY, L	ONDON		MON	ITH -	NOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1.6	17	18	19	20	21	22	23	24	MEAN
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3	19	19	19	19	19	19	20	21	21	19	18	18	19	19	19	20	22	22	20	21	21	22	23	20	20
4	21	21	24	24	23	23	21	21	21	20	19	19	18	18	18	18	18	18	18	18	19	19	19	19	20
5	20	19	19	18	18	19	19	19	19	19	19	19	19	20	19	19	22	20	19	19	19	19	21	19	19
6	19	19	19	20	19	19	18	19	19	19	18	18	20	22	22	22	21	20	20	20	19	19	19	18	20
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PERCENTAGE OF DATA VALID - 92.9

PERCENTAGE OF DATA INVALID - 7.1

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

\* - \* INDICATES DATA IS UNAVAILABLE

POLLUTANT - TOTAL HYDROCARBONS

STATION - SW NO 15001

3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.1 PARTS/MILLION

26

25

MONTH - DEC 77

HOUR 24 MEAN 22 20 21 35 .... 18 22 22 22 2 3 4 5 6 7 8 21 21 23 21 21 23 21 21 23 22 22 22 19 23 25 24 20 20 24 20 20 24 26 24 20 19 25 21 21 22 24 22 19 19 24 21 22 22 24 20 19 23 23 22 23 22 29 21 19 26 24 19 20 37 20 20 24 21 22 20 21 34 18 18 24 21 20 20 31 19 19 22 22 21 45 21 19 24 22 21 20 21 28 18 18 24 21 23 22 21 23 19 19 24 22 23 21 22 19 20 25 24 24 19 20 22 20 22 24 22 20 21 21 22 25 23 22 23 19 20 22 24 23 19 20 24 28 21 22 22 26 19 19 25 22 23 23 19 20 21 21 21 18 23 22 19 18 23 23 18 18 26 23 19 19 24 24 19 38 23 12 13 14 15 16 17 18 27 27 38 29 27 23 24 24 36 25 29 32 24 23 23 43 24 31 28 35 24 23 21 32 24 36 27 31 24 22 23 31 24 51 26 29 23 22 22 30 23 61 26 28 23 22 23 24 65 26 28 23 22 22 24 51 28 27 23 22 25 25 25 54 32 31 23 21 25 26 27 33 31 24 23 23 27 26 26 35 32 24 24 25 26 26 27 34 29 27 24 28 25 30 35 25 24 26 25 25 27 56 30 30 23 22 25 25 25 44 31 23 22 25 26 28 32 30 26 24 26 25 26 32 30 31 25 24 26 24 29 30 36 30 23 24 24 28 26 29 29 26 23 24 24 24 26 28 29 25 23 23 24 24 27 27 28 25 23 23 24 24 31 28 27 24 23 24 23 30 27 27 23 24 26 24 33 27 27 25 23 25 24 35 31 24 23 22 22 22 23 24 25 26 27 28 29 22 26 21 22 22 22 22 22 19 25 18 21 21 24 22 23 19 25 21 21 22 23 22 24 23 24 21 23 22 22 22 23 21 25 24 20 21 20 27 24 22 21 22 20 19 26 20 21 21 23 21 19 25 19 21 21 22 22 21 19 25 23 19 25 19 21 21 23 22 25 20 30 20 21 22 23 27 20 29 21 21 22 22 24 20 28 21 21 22 24 21 28 21 23 22 22 29 21 21 21 21 22 23 26 21 22 22 24 24 21 21 22 21 22 23 22 21 23 19 21 25 23 22 21 23 20 24 26 22 21 22 19 25 30 22 22 22 22 21 24 30 22 21 23 22 19 25 22 22 22 23 24 28 21 21 22 .... 21 21 22 21 23 22

PERCENTAGE OF DATA VALID - 98.4

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PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

 23.9

NOTES 1. " \*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

26

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE MONTH - JAN 77 HOUR 24 MEAN 23 25 29 19 20 19 23 23 24 24 27 27 19 21 19 23 23 23 25 27 28 19 22 18 25 25 23 26 16 18 19 18 22 24 24 25 26 15 17 19 18 22 24 19 25 26 15 16 20 18 22 25 19 25 26 15 17 22 19 22 25 20 25 26 15 17 22 19 23 25 21 25 26 16 17 21 19 23 26 21 24 25 31 24 25 28 19 20 19 23 22 24 25 26 16 17 25 26 19 18 21 22 25 21 25 27 20 18 21 21 22 25 22 25 28 19 19 21 22 23 25 22 25 28 19 19 20 23 23 25 22 25 26 21 18 21 19 23 24 22 3 4 5 6 7 8 9 25 28 19 20 20 24 23 24 27 27 19 20 19 23 22 23 27 27 19 21 20 24 24 23 27 27 18 22 18 26 24 23 27 27 18 22 20 27 24 23 26 15 18 21 18 24 25 22 15 18 21 18 23 25 22 26 17 17 21 20 23 25 21 19 23 23 24 20 23 26 21 12 13 14 15 16 17 18 19 20 28 28 6 6 7 28 28 6 8 8 7 28 5 6 6 8 9 6 5 5 28 7 6 7 8 9 6 5 28 8 5 7 9 10 6 5 28 9 7 8 9 11 7 5 29 11 6 8 10 11 8 5 29 6 8 10 12 8 4 29 7 5 7 8 12 6 4 18 29 8 6 8 8 11 4 5 29 6 5 8 29 6 5 8 8 4 4 18 14 6 6 8 8 4 4 18 15 6 6 6 9 8 4 18 15 7 6 7 15 9 6 7 29 8 5 7 9 12 7 4 15 8 7 15 9 7 7 10 7 4 4 19 15 9 7 15 7 6 6 10 6 5 5 23 7 6 7 9 9 5 5 10 5 5 5 20 7 4 9 8 4 4 1 8 8 4 4 18 6 5 7 22 23 24 25 26 27 28 29 30 18 18 21 14 14 13 16 18 20 21 14 14 13 18 20 15 14 15 18 18 19 21 21 15 14 15 17 20 20 15 14 15 17 17 20 20 15 15 15 17 21 15 14 15 15 13 17 17 21 15 14 15 15 13 17 17 20 15 14 15 15 17 20 21 14 14 14 20 21 14 14 14 17 21 20 14 14 14 17 21 20 15 14 15 17 17 20 16 15 15 16 17 17 20 16 14 16 15 17 19 15 13 14 15 17 20 15 13 14 15 16 15 17 17 20 15 13 15 16 16 16 17 21 15 13 15 16 16 16 17 20 15 14 16 16 16 17 18 20 16 14 15 16 16 16 18 20 14 14 13 16 17 17 20 17 14 14 15 16 17 20 15 14 13 16 16 16 15 13 15 16 17 16 

PERCENTAGE OF DATA VALID - 99.7

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17 18 17 17 17 17 16
PERCENTAGE OF DATA INVALID - 0.3

17 17 16 16 16 16 16 16

PERCENTAGE OF DATA UNAVAILABLE - 0.0

16.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS . O. 1 PARTS/MILLION STATION . WC NO 22071 EXPERIMENTAL FARM SIMCOE MONTH - FEB HOUR 24 MEAN 21 20 19 20 22 23 28 11 21 19 19 20 22 23 28 11 22 19 18 21 22 24 30 12 14 21 18 17 20 22 24 14 11 19 18 18 20 22 23 13 11 17 18 20 22 23 12 11 18 18 20 22 23 11 11 18 18 20 22 23 11 10 20 18 18 20 22 23 10 10 22 19 18 20 22 23 16 11 20 18 18 21 22 23 10 15 18 19 22 23 25 10 10 3 4 5 6 7 8 9 20 18 19 21 22 24 10 15 20 18 19 21 23 27 10 16 18 19 22 24 26 11 10 16 19 19 20 22 24 19 11 18 19 22 24 26 11 19 19 22 24 27 11 19 19 20 23 23 29 12 19 20 23 23 29 12 19 19 20 23 23 30 12 19 20 22 24 30 12 18 19 22 24 26 11 16 19 19 22 23 27 11 12 13 14 15 16 17 18 19 20 13 14 9 20 22 24 26 25 26 13 13 20 23 24 26 25 26 13 13 9 20 24 25 26 25 26 13 13 20 24 25 28 25 26 13 12 9 20 24 25 28 25 26 13 11 9 20 24 25 28 26 15 10 17 19 21 23 25 24 25 13 13 20 23 25 26 25 26 13 11 9 20 24 26 28 25 26 16 11 9 21 24 26 29 24 26 17 11 10 21 23 25 29 24 26 15 10 10 21 22 25 27 24 26 15 10 17 20 22 24 26 24 25 15 10 17 19 21 24 25 24 25 15 10 17 19 20 24 25 24 25 15 10 18 19 20 24 26 24 25 15 10 17 19 20 24 26 24 25 15 10 17 19 20 24 26 24 25 14 10 17 19 21 24 25 25 25 15 10 18 19 21 25 25 25 15 10 18 19 21 25 26 26 15 10 18 19 21 25 26 26 15 18 19 21 26 25 26 16 10 19 20 23 26 24 26 26 14 11 14 20 22 25 26 25 22 23 24 25 26 27 28 17 18 18 17 17 18 18 16 16 18 18 15 17 17 16 18 18 15 16 18 18 16 17 16 18 17 16 17 15 19 17 16 17 15 19 16 16 16 20 17 16 17 16 20 16 16 17 18 20 19 14 16 17 17 19 16 16 20 20 16 19 16 16 18 15 19 15 16 17 19 14 19 15 16 17 18 14 19 15 16 17 18 15 19 16 16 18 18 15 19 16 16 18 19 15 16 19 17 19 16 16 20 20 18 19 16 17 20 19 16 17 20 16 19 16 16 18 19 19 19 16 18 18 16 18.7

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY 30M	MART OF HOURET AND 2-HOURET	DATA FOR 1977		
POLLUTANT -	TOTAL HYDROCARBONS		UNITS - 0.1 PARTS/MILLION	
STATION .	WC NO 22071 EXPERIMENTAL	FARM SIMCOE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
MAL	31	16.7	26	31
FEB	28	18.7	26	30
MAR	31	18.1	26	39
APR	16	15.1	19	34
YEAR	106	17.4	26	39

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY COOLS FOROLENCY DISTRIBUTION FOR 1977

MONTHLY GROUP	FREQUEN	CY DISTRIBL	JTION FOR	1977					
POLLUTANT - TO	TAL HYDR	OCARBONS				UNITS - D	1 PARTS/MI	LLION	
STATION - WO	NO 2207	1 EXPER	RIMENTAL	FARM SIMCOE					
MONTH OC	TO 10	11 TO 19	20 10 30	31 TO 60 6	51 TO 90	91 - 140	141- 200	20180VER	TOTAL
JAN	170	309	262	1	0	0	0	o	742
FEB	37	349	286	0	0	0	0	0	672
MAR	34	461	236	11	0	υ	0	0	742
APR	27	319	50	1.	0	0	0	0	397
YEAR	268	1438	834	13	0	o	o	0	2553

FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT
OF DATA
VALID MIN 10 CONCENTRATIONS

FREQUENCY DISTRIBUTION, PERCENT

MIN 10 30 50 70 90 95 98 99 MAX ARITH MEAN 88.6 4 9.8 14.3 16.8 19.5 24.3 25.7 27.9 29.0 17.4

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

	ST	ATION	· wc	NO	29008		NORTH	PARK	HAMI	LTON						MONT	н - м	1A R	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												- DA1	TA UN	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	ABLE ABLE ABLE ABLE ABLE ABLE ABLE ABLE										
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31	3	3	4	4	3	3	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	7	7	9	
MEAN	5	5	6	6	5	6	7	6	5	5	5	4	5	5	5	6	6	5	6	6	6	6	6	6	5.5
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NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2, "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	HYDR	OCARB	ONS							UNITS	- 0.	1 PAR	TS/MI	LLION							
	ST	ATION	· wc	NO	29008	5	NORTH	PARK	HAMI	LTON						MON	тн -	APR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4	10 9 3 8	10 9 3 8	10 9 3 8	11 8 3 8	11 8 3 8	12 8 3	14 7 4 9	13 7 5	1 2 8 5	12 6 6	10 10 7 8	10 6 7 8	10 6 7	9 4 8	8 5 8 7	8 5 8 7	8 3 9 6	8 3 9	8 6 8 5	9 6 7 5	9 4 7 4	8 3 8 4	8 2 8 3	8 8 3	10 5 5 7
5 6 7 8	3 3 3	2 3	2 3	3 2 3	2 3	2 1 3	2 1 5	3 2 5	3 4 ••••	2 2 2	4 3 1	3 2 0	3 2 1	3 2 1 10	3 4 12	3 3 12	2 3 3	2 3 4	5 2 3 4 11	5 2 2 3 1 !	2 3 	2 3 	2 3 ****	2 3 ****	2 2 3
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17 18 19 20	7 6 16 2	6 9 16 2	7 8 16 3	7 7 16 2	8 6 16 2	9 6 16 3	8 6 15 3	5 6 15	5 6 18 5	6 17 3	7 6 3 4	8 6 3 4	7 5 2 3	7 5 1 3	6 1 3	6 15 1 3	5 16 1 3	15 1 4	15 1 4	6 15 1 4	15 1 5	16 2 5	6 17 3 5	15 1 7	6 10 8 4
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PERCENTAGE OF DATA VALID - 91.4 PERCENTAGE OF DATA INVALID - 8.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	ATION	· wc	NO	29008		NORTH	PARK	HAMI	LTON						MON	ITH -	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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13	10	8	7	8	В	8	10	10	9	9	9	10	9	10	10	10	1.1	9	10	10	1.1	10	1.1	11	
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NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	INT -	TOTAL	HYDR	OCARB	IONS							UNITS	. 0.	1 PAR	RTS/MI	LLION							
	ST	ATION	N - WC	NO	29008	i	NORTH	PARK	HAMI	LTON						MON	HTH -	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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3	5	5	6	6	7	7	8	6	5	4	4	4	4	4	5	5	5	5	4	4	4	4	4	5	5
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12	12	12	12	13	13	12	13	13	12	12	13	13	12	12	12	13	13	13	13	13	13	13	12	12	13
13	12	12	12	13	13	13	14	1.4	14	14	14	14				• • • •									*****
14	• • • •	••••	••••					••••	• • • •	5	3	2	2	1	1	1	1	1	1	1	2	4	6	3	
15	3	2	3	3	4	4	4	5	5	7	6	5	5	5	5	5	5	5	6	6	7	6	5	5	5
16	В	8	6	6	7	8	7	9	10	7	6	6	7	6	6	6	6	6	6	6	5	5	8	9	7
17	9	10	10	1.1	10	1.2	16	19	11	10	9	9	11	11	14	15	15	15	17	16	15	13	13	10	13
18	17	16	11	11	1.2	13	14	14	14	14	14	14	13	13	13	14	14	14	15	18	22	17	16	17	15
19	17	17	17 25	16	16	29	18 28	1 P 2 B	18 26	25	18	18	18	18 19	19	19 17	17	18	21	23	17	17	18	21	19
20	21	23	25	29	30	29	20	20	26	25	23	24	22	19	1.8	17	1.7	18	18	18	17	17	18	19	22
21	19	18	18	18	19	20	21	21	18	18	18	19	20	20	22	21	21	20	20	19	20	21	21	22	20
22	24	23	22	21	22	26	26	25	23	23	24	23	21	20	19	18	18	17	16	1.7	17	16	19	25	21
23	23	19	20	20	23	23	18	16	16	18	19	18	17	15	14	12	12	12	10	1.1	1.1	12	15	16	16
24	12	18	20	21	25	14	12	13	15	9	6		23	24	29	29	28	27	27	27	27	28	26	27	21
25	31	32	31	28	27	27	23	26	26	27	27	27	26	23	24	25	31	32	30	29	29	34	32	28	28
26	28	28	29	29	29	30	30	30	30	32	35	39	44	47	51	• • • •		59	62	65		57	57	57	41
27	57	••••	50	50	49	52	• • • •	56	60	• • • •	• • • •	••••	103	101	107	66	43	40	34	36	44	46	38	37	56
28	42	45	45	46	46	44	43	44	41	36	40	41	40	40	39	39	40	38	38	38	38	38	40	38	41
29	36	32	31	30	30	32	35	35	34	34	34	34	35	34	35	36	36	37	36	36	37	39	39	39	35
30	40	41	41	45	47	56	58	49	44	41	41	41	42	42	42	42	44	42	41	42	43	42	41	40	44
MEAN	17	15	17	17	17	18	17	18	17	14	14	14	18	18	18	16	15	17	16	17	16	17	17	17	16.5

PERCENTAGE OF DATA VALID - 94.4 PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	NO 1 14	. wc	NO	29008	ŀ	NORTH	PARE	IMAH I	LTON						MONT	rH - !	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	10	9	10	11	13	14	13	13	12	10	10	11	11	11	10	12	10	10	10	10	11	1.1	11	12	1.1
2	10	10	11	14	10	9	9 7	8	9	9	10	9	10	10	10	7	6	5	5	6	6	7	6	6	8
3	13	10	7	7	7	7	7	7	8	8	7	7	9	7	7	7	8	7	7	7	6	7	7	7	В
4	9	9	9	9	8	9	9	В	8	9		9	8	7	7	8	9	10	8	7 6 7	7	12	9	11	9
5	12	13	9	8	8	8	9	9	8	9	9	8	8	8	8	7	7	7	8	7	6	6 9 9	6	6	8
6	6	6	6	6	6								10	10	9	9	9	8	9	9	9	9	9	10	8
7	9	9	10	12	12	12	14	14	14	10	11	10	B	8	8	8	8	8	8	8	9	9	9	9	10
8	9	9	9	9	9	10	12	12	12	11	11	11	10	10	8	9	8	8	8	8	8	8	9	11	10
9	13	13	14	20	17	16	16	16	15	13		6	7	7	6	6	6	5	5	4	3	4	5	4	10
10	4	5	6	4	4	4	5	5	4	4	3	4	3	5	8	10	9	10	10	11	11	10	10	10	10 7
11	9	8	В	8	8	8	8	8	10	11	11	11	11	10	10	9	9	10	10	12	13	1.1	12	12	10
12	12	1.1	12	10	13	22	15	13	13	12	7	6	6	6	7	7	7	6	6	6	10	8	10	8	10
13	10	9	7	7	5	5	5	5	5	5	7	4	4	4	4	4	4	3	4	3	3	4	5	5	5
14	6	5	6	3	3	4	5	5	5	5		6	6	6	7	8	7	7	6	8	8	8	В	8	6 8
15	9	7	8	8	9	10	10	10	9	9	9	8	9	6	7	7	5	5	6	6	7	7	6	6	8
16	4	5	5	5	5	5	6	6	5	5		5	5	4	8	6	6	6	6	8	8	7	6	6	6
17	6	7	6	7	8	9		8	7	6	6	6	6	6	6	6	6	В	7	8	8	12	9	1.1	7
18	7	6	11	7	6	3		7	5	5	5	6	3	3	2	2	3	2	3	3	3	4	3	5	5
19	2	2	2	1	2	2		2	2	2		2	0	0	0	0	0	0	0	0	0	0	O	0	1
20	1	1	1	1	1	2	2	2	3	3	3	4	2	3	2	3	3	3	3	4	4	4	4	4	3
21	3	4	4	4	5 6	6	9	5	7	6	6		3	4	4	5	5	6	6	6	6	6	6	6	5 6 7
22	6	6	6	6	6	6	6	6	6	6	6	6	7	6	6	5	5	4	5	5	5	5	4	5	6
23	5	4	4	4	4	4	4	4	****	В	8	9	8	9		10	9	9	9	9	10	10	9	10	7
24	10	10	10	10	10	10	10	10	10	10			11	11	12	11	11	12	12	12	12	12	12	12	11
25	13	13	14	14	14	15	15	16	16	17			19	19	20	17	18	18	18	19	19	20	19	21	17
26	22	19	17	17	18	18	17	17	16	16			7	7	8	10	11	11	14	17	14	14	13	13	14
27	14	14	14	15	16	17	22	22	21	19	11	6	6	6	7	8	9	10	9	9	12	13	14	8	13
28	9	8	7	6	7	7	9	11	10	11			11	9	10	10	11	11	1.1	12	13	13	14	16	10
29	17	16	16	19	18	19	22	23	27	23			21	20	20	19	20	20	19	26	24	24	23	25	21
30	27	29	24	23	24	24	28	28	30	29	28	28	10	12	13	13	14	15	15	15	15	13	13	13	30
MEAN	10	9	9	9	9	10	10	10	11	10	10	9	8	8	В	8	8	8	8	9	9	9	9	9	9.1

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE . 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUT	ANT -	TOTA	L HYD	ROCAR	BONS							UNIT	s - o	. 1 PA	RTS/M	ILLION	•						
	S	TATIO	4 - W	C NO	2900	В	NORTH	H PARK	HAM:	LTON						MO	NTH -	ост	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	t 7	18	19	20	21	22	23	24	MEAN
1	14	12	11	11	12	12		11	11	12	12	12	14	14	14	13	13	14	14	14	14	14	14	14	13
2	15	16	17	19	20			22	22	22		23	25	24	21			22	22	24	25	25	26	27	22
3	23		18	19	18	19	23	18	17	17	19		5	5	4	2	3	3	3	-3	3	4	4	ź	11
4	5	5	6	6	6	7	9	9	10	12	11	12	11	11	9		7		9	9	10	9	10	13	9
5	16	13	12	14	16	16	15	15			10	13	12		13				16		16	16	16	21	15
6	12	12	12		12	11	13	11	11	10	10	5	6	5	5		8	8	8	8		9	9	10	9
7	8	9	8	9	8	9	10	11	9	7	7	5	4	3	3		3	3	ă	3	3	4	3	3	6
8	5	5	4	4	5	4	3	3	3	3	3	4	5	3	2			3	3	2	3			****	3
9		****	****		****		****	****					****	****			13		30	23	27	30	43	47	
10	6	6	7	7	8	9	1.1	13	14	12	13	13	11	5	6	7	8	9	13	7	7	7	13	12	9
11	18	24	13	12	16	15	16	16	12	13	13	12	17	13	14	14	13	13	13	13	16	17	18	18	
12	17	18	17	16	16	16	18	17	4	3		4	4	. 4	4		5	5	5	5	5	'6	5	6	15
13	7	7	7	6	6	7	8	9	9	8	9	9	10	8	6	4	4	5	5	7	8	10	12	11	
14	11	12	26	15	15	26	20	19	17	14			3	5	4	3	- 1	5	3		7	8	11	6	. 8
15	3	3	3	4	4	6	14	15	8	6	5									• • • •	:				11
16									_	-	_	•	DATA	INVAL	ID -										3 4 5 5
17					1	1	1	- 1	1	1	1		1	1		1									
18								~		1141			DATA	INVAL							16107-61-6				5 5 7 5 7
19							****						6	10	13	13	12	9	6	6	-	-	4	120	
20	5	5	5	6	6	7	8	8	8	9	9	9	9	7	7	. 8	10	10	10	10	7	13	14		
21	6	7	-				-		52				_		-				0.00				14		•
22	6	6	7 6	8	8	9	10	11	10	7	6	6	6	7	8		10	9	8	7	6	8	6	5	8
23		8	8	5 9	2		6	6	5	5	5	5	5	7	7	8	7	7	6	5	4	5	5	6	6
24		6	6	6	9	9	8	8	8	8	8	8		8	7	7	7	7	3	3	3	3	4	4	7
25	9	9	9	8	9 6 8	8	В	8	8 8 15	8	8	6	4	3	4	3	2 6	3	1	2	5	5	6	10	5
25	3	7		10	8	8	9		15	14	14	15	15	12	7		6		5	5	8	7	6	5	9
26 27	9	. 8	8			24	9	8	8	12		4	5	5	7	8	10	12	12	8	8	8	9		8
28	9	. 8	10	12	7		14	13	10	9	8	11	10	11	1.1	13	13	14	12	10	9	6	6	5	11
29	2	4	2	2	2	4	3		4	3	4	4	5	5	5	5	13 5 6	5	4	5	8	5	5	5	4
30	10	. 0	. 7	В	8	8	7	8	8	9	10	6	3	2	2	3	6		2	4	5	6	6	7	6
30	10	10	10	10	10	10	10	11	11	10	8	6	6	6	6	5	5	5	6	6	7	8	8	6	6 8
31	10	11	11	12	13	14	14	16	17	14	12	10	3	3	4	3	5	5	5	6	8	9	8	5	9
MEAN	9	10	10	10	9	11	11	11	10	10	9	8	8	7	7	7	8	8	8	8	9	9	10	11	9.1

PERCENTAGE OF DATA VALID - 85.5 PERCENTAGE OF DATA INVALID - 14.5

PERCENTAGE OF DATA UNAVAILABLE - O.D.

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - WC NO 2900B	NORTH PARK HAMILTON
-----------------------	---------------------

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
MAL		DATA UNAVA	ILABLE	
FEB		DATA UNAVA	ILABLE	
MAR	7	5.5	9	14
APR	26	6.8	13	20
MAY	15	13.8	25	41
JUN	27	16.5	56	107
JUL	26	13.2	40	42
AUG	27	7.9	14	35
SEP	30	9.1	21	30
OCT	25	9.1	22	47
NOV	26	7.6	16	21
DEC	28	12.1	27	34
YEAR	237	10.4	56	107

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	00 TO 1D	11 TO 19 20	TO 30	31 TO 60 6	1 TO 90 9	1 - 140 14	11 - 200 20	1&DVER	TOTAL
JAN		DATA UNAVAIL	ABLE						
FEB		DATA UNAVAIL	ABLE						
MAR	179	11	0	0	0	0	0	0	190
APR	506	151	1	0	0	o	o	0	658
MAY	153	130	88	1	0	O	0	0	372
JUN	277	196	99	102	3	3	0	0	680
JUL	228	331	51	18	0	O	0	0	628
AUG	485	199	5	•	0	o	0	D	690
SEP	513	161	37	0	0	0	0	0	711
OCT	434	166	34	2	0	0	0	0	636
NOV	498	140	Ĭ	0	0	o	0	0	639
DEC	297	324	79	4	0	O	0	o	704
YEAR	3570	1809	395	128	3	3	0	0	5908

FREQUENCY DISTRIBUTION BY PERCENTILES
DEPCENT

OF DATA				FREQUENC		IBUTION.	PERCENT				ARITH
VALIO	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
80.4	o	2.5	5,4	8.3	11.7	18.2	23.5	33.4	40.5	107	10.4

	POI	LLUTAN	NT - 1	TOTAL	HYDRO	CARB	ONS							UNITS	· 0.	1 PAR	TS/MI	LLION							
	STA	TION	- C	NO	31001	U	67 CO	LLEGE	ST F	IFTH F	LOOR	TOF	OTIO			MON	тн -	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	22	22	23	20	19	19	1.9	20	19	20	19	20	19	20	20	21	22	22	22	22	22	22	23	21
2	21	21	21	21	21	21	20	20	21	21	21	21	21	21	22	22	23	24	24	24	23	23	23	23	22
3 4	23	23	23	24	24	23	23	23	24	25	25	27	25	25	26	26	26	25	24	24	24	24	24	25	24
5	23	24	25	24	25	24	23	24	27	26	24	24	23	23	23	25	24	26	26	27	27	27	29	29	25
6	23	25	28	27	23	22	23 32	25	26	26	27		22	20	20	20	21	22	22	21	21	21	23	21	23
7	21	22	21	28	21	21		38 23	42	46	32	26	20	20	21	23	23	23	24	22	21	21	22	22	26
8	19	23	21	22	20	20	22 24			21	19	20	20	19	19	19	19	20	20	20	20	19	19	20	20
9	22	19	18	18	19	20	18	25	25			23	21	21	21	20	19	21	21	22	22	21	21	22	22
10	20	19	18	19	18	18	18	19 18	19	19 18	19 20	19	20	21	22 22	22 20	19	24 18	23 17	19	21 17	17	17	20 17	20 19
1.1	18	17	18	17	18	18	18	21	21	19	19	18	18	18	19	19	19	19	20	20	19	20	21	22	19
12	22	22	22	21	20	20	20	22	22	22	21	21	22	22	21	21	21	22	22	23	22	20	21	21	21
1.3	19	21	20	21	20	21	22	24		****	23	24	23	23	23	27	28	25	22	21	21	21	21	21	22
14	21	23	23	23	24	24	25	28	27	29	29	38	35	32	32	28	30	34	34	37	30	29	28	27	29
15	27	25	24	24	22	21	22	23	22	22	23	23	23	23	23	22	21	21	21	22	21	20	21	21	22
16	22	20	19	19	19	19	19	19	20	19	19	19	19	19	19	19	19	19	19	19	19	20	19	19	19
17	19	19	20	19	18	19	20	19	20	20	20		22	22	22	25	24	21	21	20	20	20	22	21	21
18	21	20	20	21	21	21	22	24	25	23	22	21	22	21	22	24	24	21	22	22	21	22	21	21	22
19	21	21	21	22	23	22	22	22	24	23	22	22	17	22	21	22	22	21	21	22	21,	21	21	21	22
20	24	22	21	21	21	21	21	****	22	22	21	20	19	20	20	21	21	21	21	21	23	23	22	21	21
21	22	22	23	24	23	22	22	22	24	25	24	22	21	21	21	20	22	22	22	21	21	20	19	20	22
22	19	19	19	19	19	19	19	19	19	19	19	19	20	19	19	20	20	21	21	21	20	21	21	20	20
23	22	23	24	23	23	22	21	22	22	23	23	23	21	21	22	22	22	21	21	20	20	20	20	21	22
24	21	21	22	22	22	22	23	23	25	26	26	27	24	25	26	26	25	25	23	24	27	28	27	27	24
25	26	25	23	24	24	24	24	25	26	27	28	28	28	27	27	26	25	23	21	20	20	20	20	20	24
26	19	21	19	19	18	18	19	19	20	23	21	21	21	20	20	21	19	19	18	18	18	18	17	17	19
27	17	17	17	17	17	17	1.7	18	19	19	19	18	19	19	18	19	21	21	21	21	21	21	21	20	19
28	21	21	21	21	20	21	19	20	22	22	22		****						* * * *	****	****			****	
29 30													DATA												
31												8	DATA	INVAL	LID -										
MEAN	21	21	21	22	21	21	21	22	23	23	23	23	22	22	22	22	22	22	22	22	22	21	22	22	21.9
PERCENT	AGE (	DF DA	ΤΔ ∨ΔΙ	LID -	87.8			PERCE	NTAGE	OF D	ATA I	NVAL	ID - 1	2.1		PE	RCENT	AGE C	F DAT	A UNI	VAILA	BLE -	0.1	r	
NOTES 1	, *	• • • • •	INDIC	CATES	INVA	LID D	ATA D	UE TO	INST	RUMEN	TATIO	N FA	LURE												

- 2. \*- INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	HYDR	OCARB	ONS							UNITS	- 0.	1 PAR	TS/MI	LLION							
	ST	ATION	• с	NO	31001		67 CC	LLEGE	ST I	FIFTH	FLOOR	TOF	ONTO			MON	тн -	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3												8	DATA	INVAL INVAL INVAL	ID -										
4	****		***	0.00	mer A	****	****	****	****	****	****		7	8	8	8	7	7	7	7	8	7	6	6	
5	5	5	4	4	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	5	5	4
6	5	5	6	5	5	4	4	4	5	5	5	5	4	4	4	4	5	5	5	5	5	5		5	5
7	5 12	4	4	4	4	4	4	5	5	6	6		9	9	9	9	1.1	12	13	13	12	12	12	11	8
8		1.1	12	12	11	10	13	15	17	18	16	15	12	12	12	1.1	11	12	10	10	9	9	В	8	12
9	8	9	9	9	9	8	8	9	9	11	1.1	11	12	12	12		24	24	24	25	23	23	22	22	15
10	23	24	25	22	22	22	21	21	21	26	25	26	27	23	23	21	22	23	24	23	22	24	24	25	23
11	26	24	24	23	23	23	20	21	22	20	20	19	19	18	17	18	16	16	17	18	18	1.8	19	21	20
12	20	20	20	20	19	19	22	24	23	23	22	23	22	22	26	26	23	21	21	20	20	20	19	18	21
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14	15	15	15	15	15	15	15	16	17	16	16	16	16	16	16	17	17	17	18	17	17	17	18	18	16
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18		****	4.2.2.4	20 8 8 8			****		****	****	****					21	21	22	21	21	21	21	21	21	
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22	19	19	19	18	****	* * * *	****	****		* * * *	****	****	***	* * * *	****			****	* * * *	****	***				
23												(8)	DATA	INVAL	LID -										
24			** * *	* * * *		****	* * * *		****	22		21	21	21	25	27	27	25	25	22	20	18	18	17	
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MEAN	16	1.5	15	15	15	15	15	15	16	16	16	16	16	15	15	16	16	16	16	16	16	16	15	16	15.6

PERCENTAGE OF DATA VALID - 71.9 PERCENTAGE OF DATA INVALID - 28.1
NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA UNAVAILABLE - 0.0

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	MOITA	- с	NO	31001		67 CO	LLEGE	ST F	IFTH	FLOOR	TOR	ONTO			MONT	гн - м	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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24	13	12	12	12	12	12	1.2	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
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28															20	18	19	20	19	17	15	15	15	15	
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31	16	18	18	17	17	19	16	15	16	13	13	13	13	13	14	14	14	14	14	15	14	15	15	15	15
MEAN	17	16	16	16	17	16	16	16	17	16	16	15	15	15	15	15	15	15	16	16	15	15	16	16	15.8

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	т - т	OTAL	HYDRO	CARB	ONS						U	NILZ	- 0.1	PART	S/MIL	LION							
	STA	TION	. с	NO	31001	9	67 COL	LEGE	ST F	IFTH	FLOOR	TORC	OTA			MONT	н - д	PR	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
¥	15	15	15	15	15	15	15	15	16	17	17	18	17	17	18	19	20	20	17	16	15	15	15	15	16
2	15	14	14	13	13	13	13	13	13	13	14	14	15	16	16	20	20	19	21	24	24	18	12	13	16
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4	18	19	18	16	15	15	15	15	16	16	15	15	14	14	14	15	14	14	14	13	14	13	13	15	15 15
5	14	14	14	16	19	18	15	16	17	17	17	16	16	16	16	16	15	15	14	14	14	14	14 16	14	15
6	15	15	15	15	15	15	15	1.5	15	16	15	15	15	15	15	15	15	16	16	16	16	16	14	14	17
7	16	16	16	16	17	17	18	19	17	16	16	16	16	17	17	17	18	18	18	18	18	16	16	16	15
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15	16	17	16	16	16	16	17	20	••••	17	17	17	15	15	16	1.7	16	14	14	15	15	14	17	17	16
16	16	16	16	16	16	17	16	16	16	19	17	16	16	15	15	16	15	16	17	17	17	19	25	30	20
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19	27	29	38	56	42	35	43	42	39	28		22	22	22	22	20	26	23	21	21	22	25	27	25	29
20	29	31	34	37	32	36	40	34	35	33	31	29	30	28	27	27	20	23	21	21	22	4.5		20	
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23	20	20	19	19	19	20	21	20	20	20		20	21	20	20	21	21	21	20	20	19	19	20 18	20 18	19
24	20	21	20	19	18	18	18	16	19	18		18	19	19	19	19	19	19	19	19	18	18	21	22	19
25	17	17	17	17	18	18	18	19	19	19		21	20	20	20	18	18	18	19	20	20	20	19	21	20
26	24	22	1.7	21	22	20	20	21	21	22		19	20	18	18	18	18	18	18	21	23	17	18	19	20
27	21	22	22	23	22	21	22	21	21	22		21	20	20	19	19	18	17	17	17	17	18	18	19	17
28	17	16	15	15	15	16	17	17	18	18		17	18	18	18	18	18	17	18	18	18	19	19	20	19
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30	23	21	20	21	20	21	22	21	21	22	21	21	19	19	19	19	18	18	18	18	19	16	. 6	13	
MEAN	21	20	20	20	20	20	20	20	21	20	19	19	19	19	18	18	19	18	18	19	19	19	19	20	19.4

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - JUL 77 HOUR 6 7 8 9 10 11 12 13 16 17 18 19 20 21 22 23 24 MEAN 18 23 28 21 29 22 23 21 22 21 19 36 21 32 23 22 23 23 20 18 25 22 29 23 23 21 20 21 32 21 31 26 21 23 40 22 20 26 33 21 26 32 37 26 40 21 23 26 29 23 24 24 22 24 29 21 23 27 22 31 23 25 25 25 25 25 21 31 26 32 25 21 25 22 26 24 22 25 23 21 3 4 5 6 7 8 9 23 29 24 23 21 20 22 21 24 25 21 22 28 20 24 21 28 26 21 23 35 21 22 23 21 23 22 23 21 20 21 22 21 22 25 21 20 21 22 21 23 22 24 23 20 20 23 21 23 22 23 21 20 20 27 20 21 21 22 21 20 21 28 20 22 21 22 23 20 21 29 21 23 21 22 23 20 21 27 21 23 21 22 29 20 22 21 21 22 21 21 22 22 21 20 21 21 23 36 23 21 22 30 23 22 33 24 21 26 21 12 13 14 15 16 17 18 19 20 25 20 21 20 32 18 17 18 23 20 22 20 21 18 18 17 37 20 23 21 18 19 19 22 20 20 21 17 28 21 20 21 18 25 18 22 24 21 21 21 22 18 25 17 22 23 18 30 25 19 17 23 17 35 23 19 22 24 17 16 29 19 25 18 27 23 17 15 25 18 20 18 25 21 18 16 20 16 20 20 18 18 20 18 15 18 20 17 18 20 17 15 17 17 20 18 18 19 16 16 17 16 19 18 19 20 16 15 17 17 20 18 21 16 15 16 16 20 18 20 21 17 15 16 16 18 18 24 17 15 17 23 18 18 23 17 16 18 17 24 18 17 22 17 17 19 17 22 26 20 19 17 18 19 19 23 21 19 20 19 20 19 25 25 19 19 23 20 16 21 22 17 19 21 21 19 17 20 18 22 18 21 25 23 18 26 18 29 17 15 18 16 22 18 41 20 28 22 23 24 25 26 27 28 29 30 11 12 12 11 11 12 12 13 10 12 12 8 12 10 13 12 12 12 12 11 9 13 19 21 12 11 11 9 12 14 16 6 9 10 10 11 12 7 10 13 12 9 10 9 11 13 16 13 10 10 10 9 11 12 15 12 9 6 9 12 10 11 12 14 14 7 9 11 10 11 12 14 13 6 9 11 10 11 12 12 12 7 11 10 7 11 10 13 6 9 12 9 11 12 10 9 9 11 10 12 13 16 16 11 10 12 9 11 10 11 12 14 13 12 13 11 12 12 10 9 17 14 12 17 21 32 25 12 22 27 20 21 13 12 12 12 12 12 14 19 - DATA INVALID -

PERCENTAGE OF DATA VALID - 94.0

PERCENTAGE OF DATA INVALID - 6.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

17 17 16 17 18 18 19 20 19 18.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*-\* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

20 20 20 20 20 20 22 21 20 19 17 17 17 17

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	ATION		C NO	3100	1	67 C	LLEGE	ST	FIFTH	FLOOR	TOP	OTIO			MON	тн - ,	AUG	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												-	DATA	INVAL	ID -										
2												B	B	8	8	7	8	7	8	11	10	9	9	9	
3	12	13	1.1	14	14	14	18	20	22	25		15	11	11	10	10	10	9	11	10	10	11	10	10	
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5	8	10	9	10	8	9	10	10	12	11	12	10	6	6	6	ě	10	10	9	В	9 B	8	7	8	10
6	10	В	8	8	8	9	9	10	8	7	7	7	6	7	7	a	7	9	9	7	8	9	8	8	9 8
7	10	9	9	9	9	9	9	9	11	10	9	11	9	9	10	10	11	13	15	12	12	13	14	19	11
8	13	13	11	11	12	13	13	13	17			11	13	13	13	11	10	10	11	13	17	16	9	7	12
9	7	8	8	6							12	11	10	9	10	10	10	13	10	10	10	9	10	ģ	
10	9	В	8	8	9	8	1.1	14	11	11	9	13	14	11	9	9	8	7	12	20	20	14	9	8	10
			-		100			10-50	100						3	-		•	12	20	20	1.4	9	8	11
1.1	9	9	12	10	12	9	12	16	12	9	9	9	7	7	7	8	8	8	7	9	В	8	9	8	-
12	8	7	7	7	8	10	11	10			7	7	ė	é	8	7	8	7	7	8	10	12	10	9	9
13	11	10	1.1	13	11	10	1.3	10	9	8	8	6	8	7	7	7	6	7	6	7	7	8	8	9	9
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16	12	10	11	-10	10	10	10	9	10	9	ģ	9	9	9	9	8	8	6	8	9	10	11	12	10	9
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19	12	12	17	13	16	18	16	17	15	16		14	12	11	11	11	10	В	9		40.4				
20	10	9	8	8	8	9	9	В	8	8	8	8	9	9	10	9	10	11	11	8	8	10	8 11	11	12
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24	9	9	9	9	8	9	9	16	15	1		8	8	8	8	ĕ	8	8	8	8	9	11	12	10	9
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27	15	22	21	17	22	19	18	16	10	10	10	11	12	11	10	В	8	В	9	9	9	10	В	B	13
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29	9	10	10	9	10	9	9	10	13	13	11	9	9	9	ģ	ģ	10	9	8	7	9	8	7	4	9
30	9	9	10	9	8	9	10	12	11	9	11	8	9	9	9	10	10	11	10	10	9	9	é	É	9
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31	11	9	9	9	8	9	9	1.1		10	12	13	13	13	14	10	1.1	11	12	13	16	10	9	10	11
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PERCENTAGE OF DATA VALID - 92.9

PERCENTAGE OF DATA INVALID - 7.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	10114	v - c	NO	31001		67 C	OLLEGE	ST	FIFTH	FLOOR	R TO	RONTO			MON	TH - 1	VOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	9	8	8	6	8	В	10	10	1.1	10			17	15	14	15	15	17	15	14	17	15	11	12
2	9	14	16	17	14	16	16	18	18	17	17	17	16	16	14	14	14	15	13	14	15	18	15	15	15
3	16	16	15	13	13	13	14	18	20	17	17		18	15	16	20	17	20	17	17	18	17	19	22	17
4	24	24	30	22	32	27	19	27	25	15	15	22	14	14	14	15	15	15	14	13	14	16	17	15	19
5	14	13	13	13	13	13	13	13	13	13	13	13	12	13	13	13	14	14	13	13	13	13	13	13	13
6	13	13	13	13	12	13	13	13	13	13	14	14	14	14	14	13	13	13	13	13	13	12	12	12	13
7	11	11	11	1.1	11	11	1.1	12	12	12	12		13	13	13	13	14	13	13	12	12	12	12	12	12
8	12	12	12	12	12	12	12	13	13	14	14	14	13	14	13		15	14	13	13	13	13	13	13	13
9	13	13	12	12	12	12	12	13	14	14	13	13	14	14	14	14	14	14	14	13	13	13	13	12	13
10	13	13	12	12	12	12	12	14	14	18	13	15	11	12		13	12	12	11	12	11	10	11	11	12
3.1	11	11	11	11	11	11	11	12	12	12	12	12	12	11	11			- 4							
12	11	11	11	11	- 11	- 11	11	12	12	12	12	13	13	13		12	12	12	11	11	1.1	1.1	1.1	11	11
13	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13			13	13	13	13	13	13	13	12
14	17	15	16	15	14	15	14	18	18	19	18	15	15	15	13		13	14	14	14	14	14	15	17	14
15	15	14	14	13	14	14	16	19	20	17	15		13		15		15	14	16	16	15	17	17	16	16
16	12	12	11	12	12	12	12	12	13	12	12	12	11	13	13	13	12	12	11	11	12	12	12	12	14
17	19																21	19	18	17	17	17	19	19	14
18		19	17	16	14	15	18	15	15	15	15	••••	14	14	13		12	12	13	12	12	13	13	11	14
	11	11	10	10	10	10	11	11	11	11	11	11	11	11	12		13	13	13	12	12	12	12	12	11
19	12	12	1.1	12	12	12	13	13	13	13	12	13	13	13	13		13	14	14	14	14	14	14	16	13
20	18	17	16	15	14	14	14	15	14	13	14	14	14	14	14	14	14	15	14	15	16	17	17	13	15
21	12	12	••••	• • • •	••••			••••	••••	• • • •	••••	• • • •	••••	••••	10		7	7	7	7	6	6	6	6	*****
22	6	5	4	5	5	5	5	5	6	6	4	- 4	4	4	5	5	6	6	6	6	7	9	10	6	6
23	6	5	5	4	3	3	3	4	4	4			13	13	13	14	15	13	13	13	13	13	13	12	9
24	12	1.1	1.1	12	12	12	12	14	15	13	13	13	13	14	15	13	13	12	12	13	13	12	12	12	13
25	12	12	12	12	12	13	14	14	13	14	14	14	13	13	12	16	17	11	11	11	12	13	12	12	13
26	12	12	11	1.1	1.1	9	10	10	9	10	10	10	10	10	10	10	1.1	11	11	11	11	11	11	12	11
27	13	12	12	12	13	14	14	14	14	14	14	15	17	16	15	15	15	15	15	15	15	15	15	15	14
28	14	14	14	15	16	17	18	19	23	21	20	16	- 2	14	14	14	16	16	15	16	16	16	16	16	16
29	15	15	15	15	15	16	17	18	18	19	18	18	17	16	16	16	16	16	16	16	16	15	16	16	16
30	19	26	28	25	20	16	14	16	50	20	17	22	18	17	17		17	17	15	15	14	17	14	15	18
MEAN	13	13	13	13	13	13	13	14	14	14	14	14	13	13	13	13	14	14	13	13	13	14	14	13	13.4

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	INT -	TOTA	L HYD	ROCARI	BONS							UNIT	s · o.	1 PA	RTS/MI	LLION							
	ST	ATION	( - (	NO.	3100	1	67 C	DLLEGE	ST	FIFTH	FLOOR	тот	RONTO			MOI	NTH -	DEC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	13	12	12	11	11	11	12	13	15	20	13	12	13	14	14	14	13	11	12	11	11	11	11	13
2	11	10	10	10	10	10	11	11	12		23	25	20	17	17	16	16	15	14	12	13	14	13	13	14
3	12	12	11	11	1.1	11	11	12	12		12	12	12	12	12	12	12	13	14	13	13	13	13	13	12
4	13	13	14	13	13	13	13	14	14		12	13	12	12	12	13	13	14	14	15	15	15	16	16	14
5	16	16	15	15	15	13	14	14	15	18	15	14	14		14	15	16	15	14	14	13	13	14	13	15
6	13	13	13	13	13	13	13	13	14		14	13	12	13	13	13	13	14	14	13	13	13	13	13	13
7	13	12	12	12	12	12	13	13	14		15	14	14	14	14	14	14	15	15	15	15	15	15	16	14
8	18	18	17	15	16	17	15	17	20		22	17	17	16	16	17	17	17	16	15	15	16	16	18	17
9	17	16	15	12	12	13	14	13	14		13	12	13	13	13	13	13	13	12	12	12	12	12	12	13
10	13	13	13	14	13	13	14	15	14	14	14	13	12	13	14	14	15	16	18	17	16	16	16	16	14
1.1	16	16	15	14	14	17	16	15	15		14	14	14	13	13	14	15	16	23	15	16	16	20	19	16
12	19	18	15	15	18	18	18	16	14		14	14	18	16	16	17	17	18	19	16	16	16	15	16	16
13	15	14	13	13	12	13	13	14	22			15	14	14	14	15	16	15	14	13	13	13	13	13	15
14	13	13	21	24	25	22	19	25	24		33	30	24	21	21	19	19	18	16	16	16	14	14	15	21
15	14	13	1.3	14	14	13	13	14	15	15	15	15	16	15	15	16	17	17	17	17	17	17	17	17	15
16	14	13	13	13	13	13	14	14	15	20	21	19	16	15	16	15	15	15	14	14	14	14	14	13	15
17	14	14	13	13	13	12	13	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
18	13	13	12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	12	13	13	13	13	13	13
19	13	13	13	12	12	12	12	13	14	14	14	15	15	15	16	15	16	15	14	13	13	14	15	15	14
20	13	13	13	13	13	13	12	12	12	13	12	••••	13	17	15	15	15	16	15	17	15	14	13	13	14
21	13	14	14	13	13	13	14	15	15		15	15	15	14	14	14	14	14	14	14	14	14	13	13	14
22	13	13	13	13	13	13	13	14	15		16	17	16	16	16	16	16	16	13	14	14	14	14	14	15
23	13	13	13	13	13	13	13	14	15			16	21	24	21	18	16	16	17	15	16	15	14	14	16
24	15	15	16	17	17	****	****			****					****		****		• • • •						*****
25													DATA												
26												•	DATA												
27	(A-10-10-14)	240000000000											DATA												
28	••••	****	• • • •	••••	• • • •					23	22		21	18	14	10	10	10	9	9	9	9	10	10	
29	9	9	9	9	9	9	9	9	10		10	10	10	10	11	12	11	10	10	1.1	11	1.1	1.1	10	10
30	10	10	11	13	13	13	13	14	14	15	16	15	17	16	15	14	13	13	15	14	13	15	15	18	14
31	14	13	12	12	11	10	11	11	1 1	11	13	13	13	13	12	11	12	11	11	10	11	11	13	11	12
MEAN	14	13	13	13	13	13	13	14	15	16	16	15	15	15	15	14	14	14	14	14	14	14	14	14	14.2

PERCENTAGE OF DATA VALID - 85.6 PERCENTAGE OF DATA INVALID - 14.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS . O. 1 PARTS/MILLION

	1																								
	STA	TION	- C	NO	33002		PHARM	ACY A	VD 401	, sc	ARBO	ROUGH				MON	тн - ,	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
1	16	16	16	17	17	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	18	18	17	17	17
2	1.7	17	17	18	17	16	16	16	16	17	17	17	17	17	17	17	17	18	19	19	18	18	18	18	17
3	1.8	18	18	18	18	19	19	19	20	19	19	19	18	18	18	18	19	19	19	18	18	19	19	19	19
4	19	19	19	19	19	18	18	19	19	19	19	19		18	17	17	18	18	19	19	19	20	21	22	19
5	21	20	19	19	18	18	22	24	23	24	22	20	18	18	18	19	21	23	21	21	22	22	22	23	21
6	20	21	25	20	20	22	24	25	26	27	30	27	20	19	18	18	18	19	19	19	18	17	18	18	21
7	18	18	1.8	18	18	18	19	19	21	18	17			17	17	17	18	19	18	19	18	17	17	17	18
8	18	18	19	20	20	21	21	22	23	21	21	25	30	27	24	21	19	19	18	19	19	17	17	17	21
9	17	17	16	16	16	16	17	17	17	17	18	18	19	20	21	19	19	18	18	19	20	21	20	19	18
10	18	16	15	14	14	14	14	15	16	15	15	15	16	16	15	16	16	15	14	14	14	14	14	13	15
11	14	13	13	14	14	14	14	16	17	16	16		18	18	18	19	20	19	18	19	18	18	19	19	17
12	19	19	20	20	20	19	20	21	22	20	20	20	20	20	21	22	24	25	23	22	23	22	22	21	21
13	21	21	20	19	19	19	22	23	26	27	23		14	14	13	14	15	17	19	18	19	18	18	17	19
14	16	16	17	18	17	17	17	19	21	26	26	23	• • • •	23	22	23	22	27	24	23	22	21	20	20	21
15	20	24	20	18	18	17	16	17	17	19	18	17	18	17	15	15	15	15	15	15	15	15	15	15	17
16	15	15	15	15	14	14	14	14	14	1.4	14	15	15	15	15	14	14	14	14	15	15	15	15	16	15
17	15	15	15	15	15	14	14	15	15	14	14	15	15	15	15	15	17	17	16	16	16	16	16	17	15
18	17	17	16	16	16	17	20	22	19	18	17	16	16	16	16	16	18	19	17	16	16	16	16	16	17
19	16	16	17	18	17	17	17	21	22	19	18	17	16	16	16	16	18	18	17	18	18	16	16	17	17
20	1.7	18	19	18	16	16	16	17	18	17	16	16	15	15	15	15	16	15	16	16	15	15	15	15	16
21	16	20	20	19	19	18	18	19	21	20	18	17	14	15	15	16	17	18	18	17	16	15	14	13	17
22	14	14	14	1.4	14	14	14	14	14	14	14	15	15	15	15	16	16	16	16	16	16	15	15	16	15
23	16	16	17	18	17	17	19	19	19	21	20	18	17	16	17	17	18	19	18	16	16	16	16	16	17
24	16	16	16	16	16	16	17	17	17	17	18		13	13	13	13	15	16	15	14	14	15	1.5	14	15
25	14	13	13	1:4	15	14	13	13	14	14	14	15	16	15	14	14	14	13	11	10	10	1.1	11	11	13
26	11	11	1.1	1.1	10	10	10	10	11	11	10		10	10	11	1.1	12	12	12	13	12	12	12	11	11
27	10	10	10	10	1.1	11	1.1	12	12	12	12	12	11	1.1	11	12	12	13	13	13	13	14	14	14	12
28	15	15	15	16	16	15	17	17	17	14	14	13	13	12	12	12	12	13	13	14	13	12	13	13	14
29	13	13	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
30	14	14	14	14	15	14	15	15	15	15	14	14	14	14	14	14	14	14	14	14	15	15	15	15	14
31	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	16	1.7	17	18	18	18	18	17	16	16
MEAN	16	16	17	16	16	16	17	17	18	18	1.7	17	16	16	16	16	17	17	17	17	17	1.7	16	16	16.7

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTA	NT -	TOTAL	HYDRO	CARB	IONS							UNIT	s - O.	1 PAR	TS/MI	LLION							
	STA	ATION	• с	NO	33002		PHARM	ACY A	ND 401	. sc	ARBOR	OUGH				MON	тн -	FEB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	16	16	16	16	17	17	19	20	20	19	18	18	18	18	19	19	22	22	22	23	24	22	21	19
2	21	21	21	1.8	19	19	20	21	21	23	23	22	19	15	15	14	14	15	16	16	16	16	16	16	18
3	16	16	1.6	16	16	16	16	16	16	16	15	15	14	14	14	14	14	15	15	15	14	14	14	15	15
4	16	14	14	13	13	14	14	17	17	16	16	16	16	15	15	14	15	15	15	15	16	16	17	16	15
5	14	15	13	13	13	13	14	14	14	13	13	14	14	14	14	14	14	15	15	15	15	15	14	14	14
6	14	14	1.4	14	14	14	14	14	14	15	14	15	15	15	15	15	16	16	16	16	16	16	16	16	15
7	15	15	15	15	15	15	16	17	17	16	16	17	17	17	17	17	17	17	17	19	19	18	16	17	17
8	17	18	19	21	19	16	16	19	20	18	17	17	16	15	15	15	16	15	15	15	14	14	14	13	16
9	14	14	14	14	14	15	14	15	15	15	14	14	15	15	15	15	15	17	19	18	17	16	17	17	
10	16	17	17	18	18	21	22	21	20	18	17	16	18	18	18	17	15	15	17	16	15	15	16	17	15
11	18	18	17	16	16	15	14	15	15	15	15	15	15	15	15	15	15	15							
12	19	18	16	16	16	15	15	16	16	19	19	19	17	16	15	15	15	14	15	16	16	16	16	18	16
13	13	15	16	16	14	13	13	12	12	12	12	12	12	11	11	11	11			13		13	13	13	16
14	11	11	11	1.1	11	11	11	12	12	12	12	12	13					11	1.1	11	1.1	11	11	11	12
15	13	12	13	13	13	13	14	15	15	15	15	14	14	13	13	13	14	14	13	13	13	14	13	13	12
16	15	16	16	17	18	19	20	21	21	19	14	14	13	14	13	14	14	13	12	13	13	14	15	15	14
17	12	13	14	15	16	16	15	16	17	15	13	13			14	13	14	14	12	13	13	13	13	13	15
18	14	13	14	14	14	15	15	16					12	12	12	13	12	13	13	14	14	1.4	14	13	14
19	15	15	15	15	17	19	18		15	14	13	13	13	14	14	14	14	15	15	15	15	14	15	17	14
20	13	13	13	14	16	14	13	15	14	14	13	13	13	13	13	14	14	14	14	14	16	15	15	14	15
20	13	1.3	13	14	10	1.4	1.3	14	15	15	14	13	13	13	13	13	13	13	13	13	13	13	12	12	13
21	12	11	12	12	12	12	13	15	15	14	13	13	13	13	1.3	12	12	12	12	12	13	14	13	12	13
22	12	12	13	13	14	13	13	13	14	13	13	12	13	13	13	13	16	16	18	17	16	15	15	16	14
23	14	14	13	15	16	14	13	14	14	13	13	13	13	14			12	13	13	12	12	12	12	12	13
24	12	12	13	13	13	13	15	15	15	16	16	16	16	16		20	19	19	19	19	18	19	18	17	16
25	17	18	17	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
26	16	17	16	16	16	17	1.7	18	17	17	17	17	17	17	17	17	18	19	20	22	20	18	18	17	18
27	17	18	18	16	16	17	16	16	16	16	17	18	18	19	19	17	16	16	16	16	16	15	16	16	17
28	15	15	15	15	15	15	16	18	20	19	19	18		15	15	15	15	15	15	15	15	15	16	16	16
MEAN	15	15	15	15	15	15	15	16	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15.2

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- --- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	STA	ATION	- c	NO	33002		PHARM	CY A	ND 401	, S	CARBOR	OUGH				MON	TH - #	YΔN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
1	18	19	19	18	17	17	17	18	18	18	17	16	16	16	16	16	16	16	16	16	16	15	16	16	17
2	15	15	15	15	15	16	16	17	17	16	17	16	16	15	15	16	16	15	15	15	15	15	16	15	16
3	13	13	13	13	13	15	18	16	14	14	14	14	15	14	15	15	15	15	15	15	15	19	21	16	15
4	17	17	25	28	18	17	17	15	15	15	15	14		12	12	12	13	12	13	14	14	16	20	17	16
5	15	19	12	15	13	16	14	14	13	13	13	12	13	13	14	15	15	17	17	16	16	18	22	24	15
6	27	27	19	17	16	15	15	1.5	15	14	14	14	14	13	13	14	14	14	14	13	13	13	13	12	15
7	13	12	12	12	12	12	12	12	12	12	13	13	1.3	13	13	13	13	13	13	13	12	13	13	15	13
8	14	13	13	12	12	13	12	12	12	12	12	12	12	12	12	12	12	11	11	11	12	12	12	12	12
9	12	12	12	12	12	13	1.4	1.3	12	12	12	12	13	13	13	13	14	13	13	12	12	12	12	12	13
10	12	12	1.2	12	12	13	15	14	13	13	13	13	1.3	13	13	13	14	14	16	14	13	14	14	13	13
11	13	13	12	12	12	14	16	16	15	15	14	15	15	15	15	16	17	17	16	16	19	19	17	16	15
12	16	15	15	15	15	15	17	17	18	17	16	16	16	16	16	17	17	17	16	16	16	16	16	15	16
13	15	15	15	14	14	16	16	16	15	15	15	16	17	16	18	17	18	17	17	17	17	17	15	15	16
14	15	15	15	14	14	15	15	16	16	15	15	15	15	15	15	16	15	15	15	15	16	15	15	15	15
15	15	14	1.4	14	14	14	14	15	15	15	15	15	15	15	15	15	16	16	16	18	22	23	26	26	17
16	27	21	20	20	17	21	20	23	26	30	26	21	18	18	18	18	18	18	18	17	18	19	19	19	20
17	18	19	19	18	18	18	20	20	20	17	16	16	15	15	15	15	15	13	14	15	19	21	20	22	17
18	21	21	21	21	21	22	22	23	23	22		18	16	16	16	19	21	19	20	19	19	18	17	17	20
19	17	17	17	17	17	17	20	20	20	21	22	19	18	****	17	14	13	13	13	13	15	16	17	16	17
20	18	21	20	14	13	14	15	18	17	15	15	17	13	13	13	13	13	14	14	14	14	14	14	18	15
21	23	20	17	20	16	18	21	19	20	19	20	18	16	16	16	17	17	17	18	16	18	20	26	26	19
22	20	21	22	23	24	23	21	18	17	17	16	16	15	15	15	16	15	15	14	15	15	15	17	20	18
23	23	25	25	19	16	17	18	20	19	17	17	18	17	18	18	17	16	16	16	17	18	22	21	20	19
24	19	18	17	16	17	18	20	18	18	17		16	14	14	15	16	20	16	16	17	16	1.5	17	17	17
25	19	19	16	17	16	16	18	16	15	15	14	14	13	13	13	14	14	14	14	13	13	13	13	12	15
26	12	12	12	12	12	14	16	14	12	13	13	13	13	13	14	15	15	14	14	14	14	14	13	13	13
27	13	13	14	12	12	15	17	16	15	14	14	13	13	13	14	16	16	15	15	16	17	17	17	18	15
28	18	16	14	14	1.4	15	15	15	15	15	14	13	13	13	13	12	12	12	13	14	14	14	14	14	14
29	13	13	13	13	13	17	15	13	13	13	13	13	14	14	14	14	14	14	14	15	18	17	17	17	14
30	16	15	14	15	15	17	18	18	17	16	16	16	15	15	17	17	17	18	18	19	20	19	21	21	17
31	19	20	22	22	19	19	22	19	18	18	19	18	18	18	18	18	18	18	18	18	17	19	21	19	19
MEAN	17	17	16	16	15	16	17	17	16	16	16	15	15	15	15	15	15	15	15	15	16	16	17	17	15.9

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	SLLUT	ANT -	ΤΟΤΔΙ	LHYDR	OCARE	BONS							UNITS	· · o.	1 PAR	RTS/M	LLION	ı						
	SI	TATIO	v - c	NO	33002	9	PHARM	MACY	AND 40	01, SC	ARBO	ROUGH				MON	NTH -	JUN	77						
HOUR DAY	3	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	19	20	19	18	18	20	21	22	21	20	19	18	17	17	17	17	17	17	17	16	16	19	18	18
2	20	20	19	18	17	17	17	17	18	18	17	17	18		16	16	16	15	15	15	17	17	18	16	17
3	17	18	17	17	18	20	23	21	17	16	16	16	17	17	18	19	20	18	18	18	18	18	19	27	18
4	25	21	21	20	20	19	19	18	18	17	17	17	17	17	18	18	18	19	19	19	21	20	17	19	19
5	20	17	16	16	15	1.5	15	15	15	15	16	16	1.7	16	16	16	16	16	17	17	17	16	15	15	16
6	14	14	14	15	17	18	20	20	17	17	17	16	16	16	16	17	17	16	16	15	16	17	15	15	16
7	14	14	14	13	14	15	15	16	16	16	16	16	16	15	15	16	16	15	15	18	16	16	15	15	15
8	15	15	14	14	14	16	17	17	16	17			••••	• • • •			• • • •		****			• • • •			• • • • • •
9														INVAL											
10	••••	••••	••••	• • • •		****	****	••••	••••	****	• • • • •	••••	20	19	19	19	18	19	21	22	20	19	19	20	•••••
11	21	20	20	20	20	22	20	19	19	17	16	17	17	17	18	18	18	19	19	19	17	17	17	17	19
12	18	17	17	18	17	18	18	18	18	19	19	18	18	16	16	15	16	17	19	19	19	19	18	18	18
13	18	18	17	18	18	21	23	21	17	15	16	15	17	17	17	17	19	20	18	18	19	20	18	19	18
14	26	29	29	20	21	26	25	19	18	16	17	17	16	17	17	17	20	21	22	20	18	18	18	19	20
15	18	18	18	18	19	21	23	23	19	15	17	17	18	19	19	19	19	19	21	21	20	24	26	27	20
16	25	27	30	30	26	31	30	32	28	21	18	17	17	16	16	17	17	16	16	16	17	19	18	19	22
17	25	24	21	22	22	24	24	20	19	17	17	17	19	21	24	28	29	30	31	29	29	26	21	22	23
18	19	18	18	18	18	18	19	16	20	19	17	17	17	17	17	17	17	16	16	16	16	16	16	17	17
19	17	16	1.5	15	15	15	15	15	15	15	15	15	15	16	16	16	16	18	17	19	20	21	19	17	16
20	1.7	18	18	19	21	24	25	24	21	19	21	28	21	19	19	22	19	18	18	18	19	18	17	17	20
21	18	17	1.7	17	1.8	20	21	19	17	17	16	16	17	1.7	18	20		18	18	18	18	18	18	19	18
22	18	18	18	18	19	20	22	21	19	18	18	19	19	19	20	22	22	20	19	20	21	22	21	20	20
23	21	20	23	28	25	24	27	23	21	18	18	18	18	20	19	17	17	18	18	17	17	18	19	21	20
24	23	24	26	26	24	27	30	28	23	19	19	19		****	22	21	20	19	19	21	30	30	30	32	24
25	32	28	24	21	17	16	17	19	18	16	15	14	14	14	15	15	14	13	14	14	14	13	13	13	17
26	13	12	12	12	11	1.1	11	1.1	1.1	11	12	12	12	12	12	12	12	12	12	14	13	14	14	16	12
27	19	15	14	14	16	19	19	1.7	17	20	16	15	13	18	17	17	17	16	16	15	17	16	16	21	17
28	30	27	14	16	15	15	16	14	13	12	11	12	12	12	12	12	11	11	12	8	9	12	12	12	14
29	13	14	1.1	10	10	11	12	13	12	11	11	10	11	1.1	12	13	13	13	12	12	12	12	13	13	12
30	13	13	13	13	15	17	16	18	16	15	15	15	23	22	19	18	19	19	20	21	23	20	19	21	18
MEAN	20	19	18	18	18	19	20	19	18	17	16	16	17	17	17	18	18	17	18	18	18	18	18	19	17.9

PERCENTAGE OF DATA VALID - 92.6 PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

					er monecons									200											
	STA	TION	- c	NO	33002	3	PHARM	ACY A	4D 40	, sc	ARBOR	DUGH				MON'	H - 9	EP	77						
HOUR DAY	Ĩ	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	32	21	22	24	23	22	22	20	20	19	19	20	18	20	20	21	21	18	20	19	19	21	20	20	21
2	22	18	18	18	18	19	23	22	21	23	23	21	20	19	19	20	18	18	19	22	25	25	25	26	21
3	19	17	17	17	17	17	18	18	18	18	19	18	18	18	19	18	18	18	18	18	18	19	18	18	18
4	18	18	18	21	21	19	19	18	19	19	19	17	17	17	17	17	17	17	16	16	17	17	17	19	18
5	19	21	22	26	18	18	18	19	19	18	18	18	18	19	19	18	18	18	18	18	19	18	18	18	19
6	18	19	17	17	19	22	28	27	21	19	19	19	19	20	20	23	22	20	20	20	19	19	20	19	20
7	19	18	18	18	18	19	23	21	22	19	18	18	18	19	19	20	18	17	17	18	17	17	17	18	19
8	27	28	28	21	18	19	22	23	20	21	21	17	19	18	19	18	17	18	18	18	21	22	19	17	20
9	17	18	21	24	28	25	22	21	19	19	19	18	18	18	18	18	18	18	18	18	17	16	16	18	19
10	18	17	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	18	18	17	17	17	17	17
	-				-						-		_												
1 1	18	18	17	17	17	1.7	17	17	18	17	17	17	17	17	1 7	18	18	18	19	21	22	22	21	22	18
12	20	19	25	23	21	23	28	29	27	25	19	18	17	17	16	17	18	19	19	19	18	17	19	20	21
13	22	19	19	18	18	18	20	31	22	20	1.7	18	20	18	19	24	22	20	18	18	18	18	24	18	20
14	20	18	17	17	15	17	20	19	18	17	17	17	17	18	18	20	21	20	20	21	22	26	29	25	20
15	20	18	17	17	17	21	25	24	19	17	17	16	17	17	19	19	18	19	19	19	19	18	18	19	19
16	19	18	1.7	17	1.7	18	22	22	21	24	24	23	24	22	23	22	22	23	28	32	34	34	36	35	24
17	28	28	26	26	25	25	25	25	23	22	21	19	21	19	19	19	20	20	21	21	22	22	22	23	23
18	24	26	26	25	32	31	24	21	21	21	22	20	20	19	20	24	25	27	27	25	25	28	28	26	24
19	29	22	19	18	18	21	24	25	21	20	20	19	19	19	21	25	23	22	21	20	19	19	19	18	21
20	18	18	18	18	18	19	20	20	20	20	20	21	22	22	24	23	21	21	20	20	20	20	21	22	20
21	20	19	18	18	19	21	25	24	22	21	21	21	21	21	22	24	23	22	22	20	20	19	20	20	21
22	19	18	17	17	18	22	24	25	22	21	21	21	21	22	22	21	20	20	26	26	30	31	24	31	22
23	42	35	27	25	27	29	34	36	23	22	21	20	21	21	21	20	24	20	20	21	38	30	26	30	26
24	23	28	28	27	29	33	30	19	19	19	20	19	19	19	19	19	18	18	18	18	18	18	19	19	22
25	18	17	17	19	19	18	19	20	25	21	20	20	19	19	19	19	19	20	21	22	22	23	21	20	20
26	21	20	19	19	18	19	21	23	21	18	19	20	20	19	20	21	21	21	20	21	21	21	19	19	20
27	19	19	19	19	19	19	20	21	22	20	20	21	20	20	22	24	22	21	22	23	24	22	22	21	21
28	21	21	20	20	19	20	22	24	24	21	21	21	21	21	21	23	24	23	28	23	23	22	22	22	22
29	22	21	20	20	21	22	27	28	25	23	22	22	21	21	22	21	22	23	22	23	24	28	24	23	23
30	23	22	22	22	22	23	26	27	26	26	25	24	22	24	27	28	28	29	28	25	23	22	22	22	25
MEAN	22	21	20	20	20	21	23	23	21	20	20	19	19	19	20	21	20	20	21	21	22	22	21	22	20.7

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	11 - 1	TOTAL	HYDRO	CARB	ONS						L	INITS	- 0.	PART	S/MIL	LION							
	STA	TION	- с	NO	33002		PHARM	ACY AN	ND 401	. sc	RBOR	DUGH				MON	гн - с	CT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1	23	23	19	19	20	20	20	20	21	20	21	20	20	20	20	20	20	20	20	20	19	19	19	19	20
2	20	19	18	18	18	18	18	18	19	19	19	20	19	19	20	20	21	22	23	25	23	22	22	20	20
3	19	19	19	21	20	21	26	23	21	20	20	21	22	21	21	23	23	22	22	21	20	21	21	21	21
4	20	19	19	19	19	22	24	24	23	21	21	21	22	22	22	24	24	23	23	22	23	25	26	26	22
5	24	23	22	22	23	23	24	27	25	23	24	23	24	22	20	20	20	21	21	21	21	20	20	20	22
6	20	20	20	19	19	21	23	24	22	21	21	20	20	21	21	24	23	23	23	23	23	25	26	26	22
7	20	20	20	19	21	26	25	22	21	21	20	20	18	18	18	18	19 18	18	19	19	18	18	18	18	20
8	18	18	18	18	18	18	18	19	18	18	18	18	18	18	18	18		18	18	18	18	17	17	17	18
9	18	18	18	19	18	18	18	18	18	18	17	17	17 18	17	17	17	17 18	17	17	17 28	17 32	16	16 26	16	17
10	16	16	16	16	17	17	16	16	17	3.7	17	18	18	18	18	18	16	19	22	28	32	28	20	24	20
1.1	26	27	25	22	23	26	23	22	19	19	19	19	19	19	21	22	22	21	19	19	19	19	19	19	21
12	20	21	20	19	20	20	21	21	20	19	19	19	20	21	22	22	22	19	19	20	20	21	21	20	20
13	24	21	21	21	21	25	33	30	25	22	22	23	24	22	22	22	21	22	25	26	26	26	26	26	24
14	31	33	36	38	35	36	39	37	28	25	24	23	25	23	25	24	25	25	28	32	29	31	32	34	30
15	37	30	27	28	28	32	30	39	33	27	23	22	25	28	26	27	29	32	33	24	22	22	23	23	28
16	22	21	20	20	19	19	20	20	20	20	21	22	22	22	22	22	22	22	22	21	21	21	21	21	21
17	20	20	20	20	21	22	23	24	22	23	22	22	21	22	23	25	25	25	23	23	24	24	25	26	23
18	27	29	32	34	28	27	35	36	32	23	23	23	23	23	21	24	24	24	24	23	23	22	24	32	27
19	33	31	26	24	24	27	35	35	26	26	26	26	23	24	24	25	26	25	24	23	22	22	22	21	26
20	21	20	20	20	20	24	28	29	24	23	22	23	23	23	24	25	25	25	26	25	24	25	25	25	24
21	26	25	24	24	24	24	26	26	24	24	23	21	22	22	21	23	23	24	24	22	21	21	22	23	23
22	23	22	21	21	20	22	22	23	22	21	21	21	21	21	21	22	22	22	23	22	20	20	22	22	22
23	22	21	33	28	21	22	24	25	21	21	20	20	20	20	20	20	20	23	28	27	29	38	38	45	25
24	33	25	23	23	46	42	42	43	36	27	25	23	23	23	24	26	28	27	25	26	28	31	37	38	30
25	42	32	33	29	35	41	61	47	42	37	36	36	29	27	26	27	29	30	30	32	30	32	35	38	35
26	38	32	30	29	34	44	48	50	55	39	26	26	26	25	26	28	24	25	27	29	30	28	27	31	32
27	29	30	29	30	35	34	38	38	28	25	30	28	27	24	25	26	30	30	31	40	40	23	22	21	30
28	22	21	20	20	21	23	29	30	24	23	23	23	22	22	23	24	24	25	25	24	23	22	22	22	23
29	21	20	19	19	20	23	36	28	23	24	20	20	19	19	20	21	21	26	26	28	29	28	28	26	24
30	27	22	21	20	19	19	20	20	21	21	19	19	19	19	19	19	19	20	30	43	36	28	37	33	24
31	23	21	21	20	20	24	30	29	22	20	21	21	21	21	21	20	20	20	21	20	19	20	21	20	22
MEAN	25	23	23	23	23	25	28	28	25	23	22	22	22	21	22	22	23	23	24	25	24	24	25	25	23.7

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION . C N	10 33002 PHARMACY	AND 401, SCARBOROUGH		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	16.7	21	30
FEB	28	15.2	19	24
MAR	31	16.7	23	49
APR	30	15.5	24	33
MAY	31	15.9	20	30
JUN	27	17.9	24	32
JUL	28	19.9	25	51
AUG	31	19.2	27	56
SEP	30	20.7	26	42
oct	31	23.7	35	61
NOV	30	22.5	30	58
DEC	31	20.1	27	42
YEAR	359	18.7	35	61

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

	00.		400		9.54.11.														
POLLUTANT .	TOT	AL	HYD	ROÇA	ARBONS							UN.	ITS	- 0	. 1 PA	RTS/M	ILLION		
STATION .	С	NO	330	02	PHA	RMACY AND	401.	SCARB	OROL	JGH									
MONTH	00	то	10	11	TO 19	20 TO 30	31	TO 60	61	то	90	91	*	140	141-	200	20180VE	R	TOTAL
JAN			14		613	110		0			0			0		0	,	0	737
FEB			0		636	32		0			0			0		0	1	0	668
MAR			35		595	96		11			0			٥		0		0	737
APR			18		628	72		2			0			0		0		0	720
MAY			0		658	82		0			0			O		0		0	740
JUN			5		503	154		5			0			0		0		0	667
JUL			0		378	286		9			0			0		0		0	673
AUG			0		520	212		12			٥			0		0		0	744
SEP			0		331	372		17			0			0		0		0	720
oct			0		140	525		78			1			0		0		0	744
NOV			0		107	576		36			0			0		0		0	719
DEC			4		375	348		14			0			0		0		0	741
YEAR			76		5484	2865		184			1			0		0		0	8610

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID
MIN 10 30 50 70 90 95 98 99 MAX MEAN

98.3 5 13.1 15.7 17.6 19.8 23.6 26.4 30.4 34.6 61 18.7

UNITS - 0.1 PARTS/MILLION POLLUTANT - TOTAL HYDROCARBONS LAWRENCE/KENNEDY SCARBOROUGH MONTH - JAN 77 STATION - C NO 33003 24 MEAN HOUR 6 7 19 21 22 26 20 19 18 17 19 22 20 21 19 18 21 18 20 23 20 22 21 19 20 22 21 22 21 19 21 18 17 20 22 22 21 19 19 18 18 19 21 23 23 21 18 17 18 21 23 25 31 21 22 20 19 18 18 26 18 17 23 23 21 22 19 19 17 21 22 28 21 19 19 17 23 22 23 21 20 22 21 22 21 19 19 21 23 23 21 19 18 19 22 22 24 21 18 17 20 21 20 23 21 18 17 20 21 19 25 19 17 17 19 23 23 20 21 21 19 19 20 21 21 23 23 20 20 20 22 26 21 18 17 28 30 23 18 24 25 28 24 18 23 23 33 18 20 18 21 21 28 18 20 18 17 19 20 18 18 27 18 19 18 18 23 18 17 19 18 18 17 19 22 17 18 20 19 18 20 21 24 20 17 19 20 19 20 19 19 24 19 17 17 18 18 21 20 28 21 19 18 19 20 20 24 20 17 18 19 19 20 20 23 20 17 18 19 18 20 23 23 20 17 19 20 19 24 27 27 19 18 22 21 21 24 22 24 19 18 21 20 20 21 23 21 23 19 18 20 20 20 21 22 19 23 18 18 20 20 19 21 19 19 20 19 17 18 18 18 19 19 22 20 17 18 18 18 19 21 25 19 17 18 21 20 20 21 12 13 14 15 16 17 18 19 20 19 20 22 17 17 19 19 19 19 21 17 17 18 18 20 19 19 22 16 22 19 17 21 20 21 19 21 18 18 19 20 18 20 23 27 19 17 19 23 21 21 25 28 19 17 19 24 22 22 23 30 20 17 18 20 19 28 20 18 18 21 19 21 31 20 17 18 19 19 18 18 19 19 19 19 22 24 20 20 23 20 19 19 19 19 19 19 19 18 18 20 19 21 22 24 19 18 19 20 20 23 24 19 18 19 20 20 23 19 19 18 18 18 18 20 19 20 23 27 20 20 24 26 20 20 22 24 19 20 22 24 22 23 24 25 26 27 28 18 18 20 21 18 19 21 25 18 19 23 26 19 19 24 27 20 21 25 24 18 19 20 23 21 20 19 20 19 19 19 20 18 19 19 17 19 17 18 19 19 20 19 17 18 18 17 17 18 19 19 19.8 MEAN 

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PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	1 - 1	OTAL	HYDRO	CARBO	ON5						1	UNITS	- 0.1	PART	rs/MIt	LION							
	STA	TION	÷ C	NO	33003	y.	LAWREN	ICE/KE	NNEDY	SCAF	RBOROU	JGH				MONT	гн - г	EB	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	MEAN
1 2 3 4 5 6 7 8 9	18 20 21 19 18 18 18 23 19	18 20 20 18 18 18 18 18 22 19	17 20 20 18 18 18 18 18 22 19 22	17 18 20 18 17 18 18 22 19 23	17 18 20 18 17 18 18 23 19 23	18 20 18 17 18 17 23 20 23	18 21 22 20 17 17 19 26 20 23	19 22 23 23 18 17 21 30 21 24	20 24 23 23 18 17 20 30 22	19 23 23 21 18 19 29 22 24	18 22 22 20 19 18 19 25 22	18 21 22 20 19 18 24 24 22	18 20 20 19 18 18 20 23 21	18 20 **** 18 18 19 23 21	19 20 20 18 18 18 19 22 21	19 21 18 18 18 20 22 21	20 22 22 18 18 19 21 23 23	20 23 21 18 18 18 23 23 25 20	20 21 21 20 19 18 22 22 24 21	22 21 20 23 19 19 22 21 24 21	23 21 20 23 18 18 22 21 24 20	23 21 19 21 18 18 22 21 22	22 21 19 20 18 18 22 20 23 20	20 22 20 20 18 18 23 19 23	19 21 21 20 18 18 20 23 22 22
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21 22 23 24 25 26 27 28	17 19 21 16 20 18 17	16 18 19 17 20 18 18	16 18 19 17 19 18 18	16 18 19 17 19 18 18	16 18 18 17 19 18 18	16 18 17 17 18 17 18	18 19 17 17 20 17 18 18	19 20 17 17 21 18 17 21	19 22 17 17 21 18 18 23	19 22 17 17 20 18 18 22	18 21 17 17 20 18 16 21	18 19 17 17 20 19 20 21	18 19 17 19 19 19 20	18 19 17 19 19 19	18 19 17 19 19 19 21	18 20 17 18 19 20 20	19 20 17 20 19 21 20	19 17 20 20 20 18	19 20 17 21 20 18 18	19 20 17 21 19 18 18	19 18 17 21 19 19 18	19 18 17 21 18 18 18	19 19 17 20 18 18 18	19 17 20 18 18 18	18 19 17 18 19 18
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PERCENTAGE OF DATA VALID . 99.9

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PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	51	ATION	- c	NO	33003		LAWRE	NCE/K	ENNEDY	SCA	RBORO	UGH				MON	тн - 1	MAR	77						
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10	24	24	23	20	21	23	27	31	32	27	24	24	23	22	22	22	22	22	21	21	21	21	22	22	22
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30	23	25	26	30	30	30	27	26	21	19	18	20	20	21	21	20	21	22	18	19	18	18	17	18	22
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PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. " \*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.1 PARTS/MILLION POLLUTANT - TOTAL HYDROGARBONS STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - APR 77 24 MEAN 1.1 HOUR 18 18 17 19 18 17 18 22 19 18 20 19 16 17 19 22 19 19 21 19 16 17 19 18 19 24 20 18 16 16 19 17 19 24 18 17 18 18 20 18 19 22 16 17 17 16 19 17 19 29 16 17 17 19 17 25 17 19 26 17 17 17 24 17 25 17 18 23 17 17 17 21 17 22 17 17 18 17 18 17 18 17 18 21 17 18 16 18 17 18 18 17 18 16 18 18 18 18 20 20 2 3 4 5 6 7 8 9 16 18 17 16 18 17 19 25 16 17 17 17 16 18 17 18 17 18 21 21 18 18 19 16 17 19 22 19 19 18 17 19 20 23 18 18 18 16 16 19 17 19 27 18 16 16 18 17 16 16 18 17 18 22 ... 35 22 21 18 20 20 21 19 22 18 12 13 14 15 16 17 18 19 20 20 19 22 36 32 22 20 20 19 22 30 32 26 26 19 20 21 18 22 19 21 20 21 21 19 23 19 20 22 21 22 20 29 18 19 22 21 22 21 35 21 19 20 20 20 28 26 26 22 19 20 27 32 24 19 19 19 29 33 19 19 18 30 35 20 20 18 36 40 33 21 19 19 35 61 34 21 19 19 31 41 35 20 19 18 31 29 39 20 19 17 29 23 40 20 19 17 32 20 31 21 19 17 25 19 19 19 17 23 18 28 18 21 17 22 19 22 18 21 17 20 19 21 19 21 17 20 19 21 19 21 18 21 19 26 19 21 27 32 26 23 18 17 18 22 25 20 18 17 17 23 30 21 19 22 22 18 18 17 23 32 22 20 22 23 22 17 17 17 23 17 17 17 23 17 17 18 19 23 18 17 19 21 22 20 19 22 18 17 19 23 22 21 21 21 17 17 20 25 22 20 22 23 24 25 26 27 28 29 30 22 18 17 16 20 31 18 26 18 17 19 20 27 20 22 26 17 17 17 19 25 20 20 25 17 17 17 17 25 19 25 17 17 16 17 23 20 24 17 17 16 17 22 22 23 17 17 17 17 22 21 24 18 18 17 26 29 19 19 24 22 17 23 17 25 30 19 17 18 17 24 32 17 17 17 17 22 26 18 22 18 17 16 22 28 18 22 19 17 18 19 32 20 25 19 17 19 20 30 21 22 20 20.5 MEAN 

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

POLLUTANT - TOTAL HYDROCARBONS

	51	TATIO	N - C	NO.	33003		LAWRE	NCE/K	ENNED	sc.	RBOR	DUGH				MON	(тн -	JUL	77						
HOUR	1	2	3	.4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
i	19	19	18	18	17	17	18	17	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	18
2	17	17	17	17	17	1.7	17	17	17	18	18	18	18	18	18	18	18	18	18	19	19	20	22	26	18
3	30	36	35	.32	33	31	29	26	21	19	19	19	19	19	18	18	18	19	21	20	19	19	19	19	23
4	19	20	19	20	22	23	25	23	21	20	20	22		21	20	20	19	19	20	20	20	24	26	23	21
5	23	25	26	27	26	29	29	24	22	22	20	22		• • • •		32	29	29	28	28	27	23	22	22	25
6	22	21	21	20	19	20	19	19	19	19	18				****	• • • •									
7	••••	••••				• • • •		• • • •	****	• • • •	****	••••	18	17	18	17	1.7	17	18	18	17	17	18	18	
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PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	HYDR	OCARE	BONS							UNITS	· o.	1 PAR	RTS/M	LLION	L.						
	ST	ATION	- 0	NO	33003	1	LAWRE	NCE/F	ENNED	Y SCA	RBORG	DUGH				MON	тн -	AUG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	16 16	16 16	17 16	17 16	17 17	17 19	18 22	17 20	16	15 21	16 21	16 19	16 18	16 17	16 17	16	16 17	16 17	16 18	17	17 20	18 19	19 19	19 19	17 18
3 4	18	18	16	17 19	18	18 18	19 21 20	19	18	17 20 18	18 20 20	18 19 18	19 18	18	17	17 19 17	18 19	19 23 17	21	24	24 23	19	25 19 19	16 17	19 20
6	15 16 17	15 16 16	15 17 15	17	16 18 15	18 15	17	16 17 16	15 17 15	17	18	17	17 16 15	17 16 15	17 17	18	17	17 17	16 17	16 17	16 20	19 16 21	16 25	17 17 25	18 17 17
8	24 15	15	16 15	18 15	19 15	20 17	23 18	21 17	19	21 16	19 15	18	20 15	15	21 16	23 15	21 15	21 15	22 15	25 15	25 15	20 15	17	15 16	20 16
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12	16	15	14	14	14	17	18 25	18	16	16	16 16	15	16	16	17	17	16	17	17 16 16	17	17 21 16	1B	24 18	19	17
14 15	19 16	18 17	17 16	17 16	17 16	15 17	15 20	15 19	15 17	15	15 16	15 15	16 15	17 15	18 16	17 16	17 16	16 16							
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19	17 16	17	19 15	19	22 15	24 15	28 15	24 15	25 15	26 15	18 16	16 16	15	15 16	15 16	16	16 15	16 15	15 16	15 17	15 17	15 16	15 18	15 19	18 16
21	19	18	18	19	23 15	32 16	25 17	18	16 15	16 15	16	16 15	16	16	16	16	16 21	16	16 22	16 25	16 27	16 26	16 25	16 25	1B 19
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28 29	21							25	26	25	23	20	20	18	19	21	20	21	21	20	48	19	20	17	•••••
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MEAN	18	1202	17	18	18	19		19	18	18	17	17	16	16	17	17	16	17	17	18	20	18	19	18	17.7

PERCENTAGE OF DATA VALID - 90.3 PERCENTAGE OF DATA INVALID - 9.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. \*- \* INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA UNAVAILABLE - 0.0

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - NOV 77 HOUR 12 13 20 21 22 23 24 MEAN 16 29 18 14 14 13 16 29 18 14 14 13 17 16 39 17 17 16 45 14 15 14 13 16 16 33 15 15 14 13 17 16 37 14 14 14 20 17 80 14 15 14 13 16 17 23 14 15 14 13 15 16 23 14 15 14 13 14 16 23 14 15 14 14 15 16 23 14 15 14 15 15 16 50 15 14 14 15 16 16 21 15 15 18 22 15 15 14 15 17 20 23 15 15 14 14 16 17 22 23 14 14 14 15 17 21 23 14 15 14 16 16 27 21 14 15 13 14 16 3 4 5 6 7 8 16 38 17 15 14 13 18 59 14 14 14 13 40 19 15 15 13 14 22 19 14 15 13 14 12 13 14 15 16 17 18 19 19 34 23 21 42 20 19 15 16 22 19 31 21 19 18 17 20 19 21 20 19 16 17 20 19 27 20 15 18 20 20 24 19 16 20 23 21 24 19 16 21 24 21 25 20 22 18 16 18 21 22 23 20 18 22 22 23 19 21 18 16 19 21 20 23 20 20 18 16 17 21 23 19 20 18 17 17 22 19 19 26 22 24 28 22 20 19 28 22 25 30 23 21 19 18 25 22 24 22 23 21 18 27 21 23 22 23 23 19 16 23 21 23 21 22 24 20 24 27 21 30 23 20 36 18 22 22 22 25 21 19 17 23 21 23 20 20 24 19 19 24 21 22 21 20 33 17 26 29 23 35 22 17 25 28 23 39 22 20 17 18 22 19 22 21 16 20 19 25 20 19 20 18 22 23 24 25 26 27 28 18 20 20 19 25 19 19 20 24 23 19 24 19 19 22 22 23 20 18 19 21 22 27 21 23 18 17 19 23 22 24 21 23 24 16 24 18 21 24 36 34 22 16 23 17 21 22 35 31 16 21 16 31 23 28 32 16 20 16 22 22 25 32 20 17 20 16 22 21 21 17 21 19 21 21 25 31 20 17 20 19 22 20 24 24 22 17 20 19 21 20 23 26 23 17 21 19 20 19 26 25 17 20 21 20 19 28 34 26 22 19 24 20 19 26 26 22 21 19 24 22 19 24 38 18 20 20 22 21 26 30 20 17 18 25 20 21 22 24 20 17 20 19 19 24 28 28 24 17 22 19 20 23 37 35 27 17 20 21 20 19 26 29 29 18 21 21 20 19 26 31 26 20 21 20 19 25 28

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

20.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

MEAN

3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LUTAN	4T - 1	LATO	HYDRO	CARB	ONS							UNITS	. 0.	PAR	TS/MI	LLION							
	ST	TION	- c	NO	33003		LAWRE	NCE/KI	ENNEDY	SCA	RBORG	DUGH				MON	TH - I	DEC	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	21	21	20	19	19	19	20	20	21	23	22	23	24	26	25	25	24	22	21	21	21	20	20	22
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3	22	22	22	22	22	21	21	22	23	23	23	23	23	24	25	23	25	26	25	25	23	22	23	24	23
4	23	23	22	22	22	21	22	22	22	22	21	21	21	22	23	22	23	22	26	30	30	34	29	25	24
5	34	25	22	22	21	21	21	22	22	21	21	20	20	20	20	21	23	23	21	21	21	21	21	21	22
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7	21	20	20	20	19	20	22	27	27	25	23	24	24	23		27	31	28	27	26	29	30	34	36	25
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1.1	38	36	37	32	32	32	32	34	39	32	31	29	29	31	28	32	32	40	46	39	31	41	40	43	35
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29	22	22	22	21	21	21	25	26	25	24	23	23	10	11	12	13	13	13	14	15	15	13	12	13	18
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31	38	35	26	24	37	26	25	23	23	17	18	16	16	14	13	13	13	13	13	13	14	14	21	11	20
MEAN	26	25	25	24	24	24	24	27	27	26	25	25	25	25	25	25	26	26	26	26	25	26	26	25	25.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-" INDICATES DATA IS UNAVAILABLE

PERCENTAGE OF DATA VALID - 99.6

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA INVALID - 0.4

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

TATION - C	NO 33003 LAWRENCE/F	ENNEDY SCARBOROUGH		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	19.8	24	33
FEB	28	19.6	23	30
MAR	31	20.2	31	77
APR	28	20.5	28	61
MAY	31	21.3	26	69
JUN	30	20.6	25	50
JUL	29	19.4	25	41
AUG	26	17.7	20	48
SEP	30	18.2	26	48
OCT	31	20.0	29	63
NOV	30	20.1	31	80
DEC	31	25.2	39	60
YEAR	355	20.3	39	80

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY	GROUP	FREQUENCY	DISTRIBUTION	FOR	1977
MONTHLY	GROOP	PREQUENCT	DISTRIBUTION	LON	

POLLUTANT .	TOTAL HYDRO	CARBONS			U	NITS - 0.1 P	ARTS/MILI	LION		
STATION -	C NO 3300	3 LAWRE	ENCE/KENNED	Y SCARBOROU	GН					
MONTH	00 TO 10	11 TO 19	20 то 30 3	1 TO 60 61	TO 90 9	1 - 140 141	200 2	01&0VER	TOTAL	
JAN	0	400	319	3	0	٥	0	0	722	
FEB	o	393	278	0	٥	0	0	0	671	
MAR	0	452	264	20	4	0	0	O	740	
APR	٥	380	282	29	1	0	O	٥	692	
MAY	0	300	420	23	1	0	О	0	744	
JUN	0	317	394	9	0	0	0	0	720	
JUL	0	454	240	18	0	0	0	0	712	
AUG	5	518	146	3	0	0	0	0	672	
SEP	0	510	199	9	0	D	0	0	718	
ОСТ	0	465	228	46	t	0	0	0	740	
NOV	0	391	290	36	2	0	C	0	719	
DEC	1	51	561	128	0	Q	0	0	741	
YEAR	6	4631	3621	324	9	0	0	0	8591	
FREQUENCY	DISTRIBUTIO	ON BY PERCE	ENTILES		STANDARD DATE					
	PERCENT OF DATA					BUTION. PERC			2541.	ARITH
	VALID	MIN	10 3	0 50	70	90 9	5 9	8 99	MAX	MEAN
	98.1	3	15.2 17.	3 18.7	20.7	25.0 28.	6 33.	8 38.2	80	20.3

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

			* .																						
	STA	TION	. с	NO	34002		SC CTR	770	DON	MILLS	RD.	NORTH	YORK			MONT	rH - L	ΔN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1	26	26	26	26	34	34	34	34	34	27	22		21	22	22	21	21	21	27	22	22	23	23	25	26
2	26	26	26	26	26	25	25	25	20	17	17		18	19	35	26	26	22	23	28	30	28	27	26	24
3	26	26	25	2.1	23	21	21	22	21	17	16		16	16	16	16	16	16	17	20	21	22	26	25	20
4	25	28	27	25	24	23	22	21	20	19	19		19	19	• • • •	19	20	19	21	23	24	26	26	27	22
5	34	35	34	33	32	30	29	28	24	19	18		18	19	21	21	18	18	21	24	25	26	26	27	25
6	27	26	25	24	24	24	25	25	23	19	20		21	20	19	24	24	20	22	23	25	25	26	25	23
7	25	25	25	26	26	26	26	26	24	26	24		22	34	21	22	25	29	29	30	28	27	27	27	26
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10	41	43	48	47	51	52	51	46	38	28	24	23	20	19	17	17	17	17	21	23	23	23	22	27	31
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12	27	27	27	26		26	23	17	16		17			• • • •	11	12	17	12	14	20	23	32	36	42	22
13	53	52	54	62	69	74	43	20	18		19		19	21	22	22	19	18	18	21	23	23	23	23	32
14	23	27	27	25	26	30	28	19	1.4	14	14		17	14	••••		13	13	16	18	19	20	21	22	20
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17	45	44	44	44	43	43	40	35	20		16		17	17	17	18	18	18	21	25	37	41	42	44	30
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23	27	24	23	21		23		25	20		13		14	1.3	13	14	15	15	14	16	18	18	19	20	18
24	19	19	19	20	20	20	21	22	19		16		16	17	17	16	15	16	18	19	20	50	20	27	23
25	21	22	21	21		21	22	19	17		17		16	• • • •	27	26	24	25	28	30	31	32	27 18	18	23
26	27	28	28	28		28		27	28		24		20	20	19	19	19	18	18	18	18	17		23	24
27	21	21	22	23		23		23	23		25		30	29	• • • •	22	22	22	25	25	24	23 26	22	25	23
28	25	25	25	25		25		25	24		19		20	19	18	18	18	21	23	25	25	23	22	22	22
29	24	24	24	24		23	23	23	23		22		20	21	21	21	20	20	22	23	23		23	23	21
30	22	22	22	22	21	21	21	22	21	20	18	18	18	18	18	19	19	20	21	22	22	23	23	-	2.
31	24	24	23	23	23	23	23	23	25	25	26	26	25	24	24	23	22	22	23	24	26	26	27	26	24
MEAN	29	30	30	30	31	31	30	28	24	22	21	20	19	19	19	19	19	19	20	22	24	26	27	28	24.6

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.1 PARTS/MILLION POLLUTANT - TOTAL HYDROCARBONS SC CTR 770 DON MILLS RD. NORTH YORK MONTH - FEB 77 STATION . C NO 34002 HOUR 9 10 26 19 18 19 26 21 23 28 20 21 19 22 33 21 31 29 29 28 19 20 19 27 27 25 28 27 29 23 17 16 25 24 19 22 27 35 21 17 18 31 24 22 23 28 33 21 17 19 28 22 24 22 28 26 24 18 19 26 22 25 27 25 22 17 17 19 25 22 26 26 27 24 20 19 22 29 18 32 29 18 23 19 23 34 24 31 31 17 23 19 23 36 24 30 30 28 30 18 19 19 22 30 21 27 27 29 20 18 17 22 28 19 25 27 35 22 17 17 30 25 20 24 27 23 18 19 22 26 20 27 29 34 33 15 24 19 24 35 25 29 32 32 14 23 18 23 36 25 28 31 32 15 23 18 23 34 24 32 30 32 14 23 18 23 31 25 35 30 32 15 22 19 23 30 24 36 30 33 17 21 18 23 30 24 32 3 4 5 6 7 8 9 33 14 24 19 24 35 24 28 33 13 23 19 24 37 24 29 18 19 .... 21 24 23 24 25 28 21 26 26 26 21 20 27 22 24 23 24 25 25 23 16 23 21 19 23 22 18 25 17 22 22 22 22 22 27 20 18 27 24 24 24 19 24 23 24 25 20 23 24 26 23 25 20 20 24 20 21 22 24 22 25 20 21 25 21 22 26 23 27 21 21 25 24 22 21 27 23 26 21 21 25 27 23 19 26 25 26 21 21 24 26 26 20 26 26 27 21 20 32 19 23 25 22 26 25 26 26 24 24 17 21 24 23 22 17 25 17 20 24 26 24 25 18 12 13 14 15 16 17 18 19 24 25 26 23 26 27 26 27 29 24 25 23 25 27 25 27 25 22 32 26 24 25 24 26 27 26 27 30 25 23 25 24 25 27 30 22 29 24 23 25 24 26 27 32 23 29 24 24 25 29 27 27 36 25 30 24 24 25 26 27 27 35 27 23 24 25 25 27 27 31 28 18 19 19 19 24 25 28 27 25 25 25 22 25 26 26 26 23 22 25 23 23 21 26 21 25 28 33 30 23 25 25 26 29 32 28 26 25 24 26 28 31 26 28 26 28 26 26 29 27 26 29 22 23 24 25 26 27 28 25 22 26 23 25 23 25 24 25 24 26 25 29 25 18 24 24 23 22 27 22 21 24 21 24 27 23 21 27 22 23 25 34 22 25 27 21 23 30 29 21 27 22 27 37 30 21 26 26 24 27 32 29 25 25 25 25 29 32 29 28 26 25 26 25 26 25 25 24 25 24 25 23 25 23 25 23 26 23 25 25 25 26 31 24 25 31 21 32 27 20 29 28 16 18 16 16 24.5 MEAN 

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT . TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	ATION	( -	C NO	34002	1	SC CT	R 770	DON	MILLS	RD.	NORTH	YORK			MON	ITH -	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	31	42	53	63	59	54	48	29	19	18	15	15	15	14	14	15	17	19	19	21	21	22	23	28
2	25	24	23	22		21	21	17	18	15	17	13	13	• • • •	28	16	13	13	14	16	16	17	22	25	19
3	21	19	19	18	17	17	18	16	17	18	18	14	13	30	19	13	12	11	11	15	17	23	28	30	18
4	31	31	32	34	29	25	23	17	14	13	15			• • • •	• • • •										
5	****							• • • •	• • • •	• • • •	• • • •			• • • •	••••	43	36	43	52	58	59	63	66	71	
6	75	77	81	77	76	68	65	44	28	26	21	21	35	36	30	24	23	23	24	25	24	24	23	23	41
7	22	22	21	21	21	21	21	20	16	15	17	16	17	17	16	14	12	13	15	17	18	18	19	21	18
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21	44	45	48			38	28	22	29	31	32		31	31	31	31	31	31	35	37	39	42	46	48	37
22	50	51	54	54	56	48	34	24	20	24	24	25	DATA												
23													UAIA	INVA	27	27	27	26	27	30	36	37	39	41	
24	49	49				53		40	35		24		33	37	37	33	32	32	29	35	39	42	44	47	39
25 26	49	49	50 48				38	30	23		19		18	19			21	23	28	30	36	42	45	48	33
27	54	55	55					32	23		22		29	29			29	30		28	32	35	36	36	36
28	34	37	39				28	18	16		18		21	22			24			32	34	34	34	34	28
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30	39	33	39	40	. 33	30		20	2505	, -	2.5	2.5		0.00						-	:5050	17000			
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MEAN	36	37	38	38	38	34	30	24	21	19	19	19	20	21	21	21	20	21	23	25	28	30	33	35	27.3

PERCENTAGE OF DATA VALID - 89.2 PERCENTAGE OF DATA INVALID - 10.5 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	51	ATION	٠ . ر	NO	34002	2	SC CT	R 770	DON	MILLS	RD.	NORTH	YOR			MON	тн - ,	IUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
	37	38	38	38	39	25	13	14	17	15	15	17	19	19	19	20	21	23	27	30	32	34	35	34	26
2	37	37	38	39	38	36	21	20	19	19	26	18	****			21	16	12	17	20	21	27	28	29	26
3	33	34	36	38	39	36	31	23	17	13	11	13	12	12	13	14	10	14	20	23	26	29	30	35	23
4	37	38	39	40	41	35	26	19	14	16	16	15	16	18	19	24	24	29	34	36	37	41	41	42	29
5	43	46	47	43	44	25	15	13	13	14	15	14	15	15	17	22	23	26	32	33	36	37	40	40	28
6	40	40	40	43	30	17	16	17	17	17	17	18	16	****	15	13	12	14	18	22	25	27	28	30	23
7	32	33	33	33	33	32	17	12	13	12	12	11	12	12	12	12	12	14	18	20	23	26	27	28	20
8	36	34	32	33	33	29	15	15	15	13	12	13	13	13	13	13	12	14	18	21	23	27	28	29	21
9	32	32	33	32	32	25	17	16	15	15	15	14	16		16	15	15	14	13	13	14	18	22	27	20
10	29	30	31	32	33	25	16	15	15	14	14	14	15	17	18	17	17	19	23	27	30	34	39	44	24
11	49	45	42	41	41	29	18	16	15	15	15	15	18	19	19	21	22	26	30	34	37	39	40	41	29
12	42	42	42	41	42	30	18	15	15	15	15	14	14	15	15	17	18	22	25	28	30	34	34	35	26
13	37	38	39	39	40	27	19	17	16	15	19	15		14	15	17	20	24	30	32	35	38	39	45	27
14	43	42	42	42	43	30	18	17	17	17	16	19	21	22	23	23	24	28	33	38	38	39	43	45	30
15	45	45	44	44	45	28	19	18	18	19	21	26	26	26	23	22	22	24	26	29	36	39	43	47	31
16	46	47	49	51	50	41	38	42	28	18	17	18	19	19	21	20	21	21	23	28	34	39	45	50	33
17	44	48	53	54	51	42	37	38	36	33	26	25	23	24	26	25	25	24	20	18	21	25	27	29	32
18	29	31	27	24	22	21	24	24	22	22	22	22	20	21	21	22	22	22	21	18	17	15	14	12	21
19	11	1.1	11	12	13	13	15	16	16	16	15	15	15	15	15	16	17	16	15	13	13	11	****		14
20		****		••••	••••		••••	••••	••••	••••	••••		••••	••••		33	23	15	13	12	12	11	9	10	*****
21	12	14	14	13	12	12	1.4	14	14	• • • •	19	17	16	16	17	19	20	21	21	21	22	20	18	17	17
22	17	14	13	14	14	15	15	14	15	15	16	17	17	18	18	21	22	23	24	24	27	30	31	34	20
23	30	27	27	26	27	28	31	26	27	16	16	1.7	19	Ŧ.	•	22	21	19	16	15	14	14	21	22	22
24	25	25	26	31	32	33	30	30	19	12	12	11	12	12	13	18	19	19	18	1 B	20	34	32	40	23
25	44	40	31	24	16	14	16	17	17	16	16	15	14	16	17	19	18	17	15	14	13	14	16	17	19
26	15	16	14	1.1	10	11	12	11	1.1	13	14	14	17	18	19	21	21	20	19	19	19	18	19	26	16
27	30	30	30	34	35	38	41	33	33	29	32	27	****		32	31	30	27	26	26	26	25	34	37	31
28	38	36	38	48		38	40	33	24	25	26	27	28	30	29	28	28	58	29	31	31	31	29	28	32
29	25	24	25	21	20	17	15	16	17	1 B	27	31	25	24	26	28	28	26	21	16	15	16	15	14	21
30	14	14	14	15	17	23	22	19	20	17	16	17	19	20	21	22	23	23	25	26	25	25	22	19	20
MEAN	33	33	33	33	32	27	22	20	18	17	18	18	18	18	19	21	20	21	22	24	25	27	29	31	24.2

PERCENTAGE OF DATA VALID - 96.1 PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON M10	LS RD	D NORTH YORK	
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MONTH	NO OF DAYS	AVERAGE CON	CENT 24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	24.6	39	74
FEB	28	24.5	29	43
MAR	30	26.8	40	68
APR	5	25.4	31	53
MAY	26	27.3	41	81
JUN	29	24.2	33	54
JUL	7	22.5	32	52
AUG		DA	TA UNAVAILABLE	
SEP		Da	TA UNAVAILABLE	
OCT		DA	TA UNAVAILABLE	
NOV		DA	TA UNAVAILABLE	
DEC		DA	TA UNAVAILABLE	
YEAR	156	25.3	41	81

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY G	ROUP FREQU	ENCY DIS	TRIBUTIO	N FOR 1	977						
POLLUTANT - TOTAL HYDROCARBONS							UNITS - 0.1 PARTS/MILLION				
STATION -	C NO 34	002	SC CTR 7	70 DON 1	WILLS RD.	NORTH YOU	rk.				
MONT	H 00 TO 10	1 1 TO	19 20 T	0 30 3	1 TO 60	61 TO 90	91 - 140	141- 200	20180VER	TOTAL	
JAN	0	2	05	419	108	4	0	٥	0	736	
FEB	O	( 3	89	495	69	0	0	0	0	653	
MAR	0	1	44	411	157	10	0	o	o	722	
APR	0		46	47	36	0	0	σ	o	129	
YAM	8	2	45	181	218	12	0	0	0	664	
JUN	4	2	97	212	179	0	0	0	0	692	
JUL	0		72	83	23	0	0	0	0	178	
AUG		DATA U	NAVAILAB	LE							
SEP		DATA U	NAVAILAB	LE							
ост		DATA U	MAVAILAB	LE							
NOV		DATA U	BALIAVAN	LE							
DEC		DATA U	NAVAILAB	LE							
YEAR	12	10	98	1848	790	26	c	o	0	3774	
FREQUENCY	DISTRIBUT PERCENT	ION BY P	ERCENTIL	ES		CONCENT	RATIONS				
	OF DATA	MIN	10	30	FREQUE:	NCY DISTRI				***************************************	ARITH
	74.2	9	14.6	19.2	22.9	26.9			98 99	MAX	MEAN
		-	. 4.0	.9.2	22.9	20.9	30.2	44.8 51	.7 55.9	81	25.3

UNITS - 0.1 PARTS/MILLION POLLUTANT . TOTAL HYDROCARBONS MONTH - JAN STATION - C NO 34007 BATHURST/WILSON, NORTH YORK 24 MEAN 12 13 6 7 8 HOUR 11 9 14 11 14 9 12 12 9 12 18 16 12 11 12 9 8 11 8 15 9 14 9 10 11 12 12 12 12 12 12 12 11 14 10 14 18 12 15 10 12 12 10 12 9 14 8 13 13 12 16 15 28 17 13 10 20 16 13 10 11 12 10 13 13 18 13 13 12 34 10 10 9 21 9 15 8 9 10 17 17 12 12 10 12 12 14 12 17 11 12 10 10 8 13 13 14 20 19 12 10 12 13 14 14 14 12 9 13 14 17 13 12 11 17 15 12 18 14 13 11 10 14 18 13 11 9 32 11 15 9 10 13 9 14 8 12 12 9 12 15 17 9 14 21 19 10 5 14 20 10 12 13 18 14 11 12 14 14 14 19 12 13 14 15 16 17 18 12 11 12 16 15 22 14 20 19 10 12 13 9 10 18 12 16 10 11 14 9 13 11 11 10 12 17 17 11 10 11 12 15 16 9 10 15 14 22 23 24 25 26 27 28 29 30 11 14 12 13 10 13 11 15 14 17 9 12 15 9 13 17 11 10 10 11 13 17 10 14 13 13 15 14 9 14 9 17 9 15 12 10 10 14 11 9 15 15 10 7 21 9 14 12 18 11 13 17 16 10 13 13 9 8 13 13 7 14 12 12 9 10 11 13 9 8 12 16 8 13 11 11 10 g 1.1 11.3 1.1 MEAN

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 3.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.1 PARTS/MILLION POLLUTANT - TOTAL HYDROCARBONS BATHURST/WILSON, NORTH YORK MONTH - FEB 77 STATION - C NO 34007 24 MEAN B 10 8 7 11 11 9 7 8 11 10 9 9 16 19 11 7 10 9 10 10 9 7 18 11 10 8 3 4 5 6 7 8 9 15 12 13 10 9 14 11 17 14 17 10 12 10 14 10 14 8 13 12 8 13 15 12 14 18 13 7 7 15 7 13 7 12 6 7 13 8 15 7 12 6 7 10 10 5 12 13 14 15 16 17 18 19 20 13 11 5 6 14 12 5 8 10 10 8 10 12 10 10 10 12 20 8 7 9 13 7 11 8 6 18 8 7 16 8 14 7 10 6 10 11 7 10 7 11 22 23 24 25 26 27 28 10 9 20 9 21 9 10 8 8 13 8 9.3 Q q MEAN

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA UNAVAILABLE - 0.0

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - MAR 77 HOUR 11 12 9 10 6 8 10 12 6 6 5 7 6 7 8 9 6 8 11 13 10 13 15 9 12 13 14 15 16 17 18 19 20 12 18 14 12 10 13 9 8 11 12 11 13 11 8 11 9 13 9 8 12 9 14 16 14 19 12 12 14 10 14 9 10 11 7 9 15 13 13 12 9 7 20 11 12 10 9 9 8 12 10 17 9 12 10 7 9 14 8 8 9 17 8 9 13 9 9 14 9 9 13 10 16 9 13 22 23 24 25 26 27 28 9 7 9 9 7 11 9 8 9 7 10 9 8 8 7 9 9 10 8 9 В 13 13 13 DATA UNAVAILABLE - DATA UNAVAILABLE - DATA UNAVAILABLE -

PERCENTAGE OF DATA VALID - 88.6 PERCENTAGE OF DATA INVALID - 0.5

NOTES 1. """" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE.

2. "-" INDICATES DATA IS UNAVAILABLE

10 10 10 10

MEAN

11 10

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

10 12 11 11

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - APR HOUR 13 14 15 16 24 MEAN DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE 5 6 7 9 6 5 4 4 8 5 10 5 5 5 5 10 4 5 5 10 6 5 10 9 10 12 8 10 10 12 13 14 15 16 17 18 19 8 10 6 10 8 8 28 11 19 9 8 7 15 6 8 21 8 10 9 9 8 8 8 8 8 10 17 14 21 9 13 15 26 26 21 20 33 12 .. 22 23 24 25 26 27 15 7 12 5 8 15 7 10 7 15 6 13 19 8 11 15 10 13 9 12 7 29 30 B Q 9.3 MEAN q B 

PERCENTAGE OF DATA VALID - 79.3

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 20.4

PERCENTAGE OF DATA UNAVAILABLE - 10.9

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. . " INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - JUL 77 HOUR 6 7 9 10 19 20 21 22 24 MEAN 12 21 15 16 16 13 14 12 11 12 21 13 16 14 12 12 16 12 15 14 12 14 14 11 12 14 15 15 15 15 11 11 16 15 16 15 13 13 12 10 13 19 13 15 17 12 12 15 10 12 20 14 15 15 13 12 17 12 20 15 14 18 14 13 13 12 17 15 12 18 16 13 12 11 12 17 14 12 15 15 12 12 11 13 12 14 12 14 14 11 11 12 14 14 14 15 11 14 16 13 17 15 11 14 15 15 14 15 11 10 12 14 15 17 15 16 11 10 12 14 15 17 16 16 14 10 12 14 14 15 15 13 10 11 18 15 14 15 13 14 10 15 19 15 15 15 13 15 14 10 17 15 14 15 14 13 13 10 12 15 16 16 14 13 14 10 12 16 16 16 13 13 12 10 13 16 14 15 15 14 12 12 12 3 4 5 6 7 8 9 20 12 20 17 13 13 15 22 13 16 14 12 12 18 13 13 18 11 17 11 12 14 11 12 12 15 12 13 14 15 16 17 18 19 20 15 14 13 13 14 14 18 15 11 15 13 11 13 12 14 16 13 11 13 12 11 13 14 12 15 12 12 14 15 13 15 11 14 11 15 17 14 11 14 15 11 14 12 14 17 17 12 18 13 11 14 12 12 14 DATA 16 16 17 NVALID 16 16 18 14 13 15 16 14 14 14 16 15 16 16 15 18 14 18 20 16 22 23 24 25 26 27 28 29 30 11 12 12 12 12 18 14 16 11 13 12 13 13 14 18 11 19 13 13 13 15 11 11 12 12 13 12 14 13 10 11 12 12 13 14 12 12 12 12 37 21 16 14 12 12 12 11 12 13 13 15 22 19 11 21 13 12 12 14 17 15 12 12 12 12 12 12 15 15 12 10 11 12 12 13 10 15 12 12 13 13 12 11 9 13 12 12 13 13 13 11 15 12 14 15 14 18 13 11 15 12 13 13 14 16 13 12 12 12 12 23 17 17 13 12 12 12 18 17 13 12 12 12 12 14 16 12 13 13 12 12 13 13 14 11 13 12 12 14 12 14 12 10 13 12 12 13 12 11 15 12 12 15 13 14 12 13 11 16 12 14 13 15 16 13 12 13 12 12 16 15 16 12 11 16 12 14 15 13 15 21 17 

PERCENTAGE OF DATA VALID - 92.9

MEAN

15 15

15 14 13 13 13 13 13 13 PERCENTAGE OF DATA INVALID - 7.1

13 13 13 13 13 13 13 13

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

13.9

NOTES 1. \*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

15 15 15 15 15 14 13

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	vT + T	OTAL	HYDRO	CARBO	ONS							UNITS	5 - 0.	1 PAR	TS/MI	LLION							
	ST	ATION	. с	NO	34007	ì	BATHU	RST/W	ILSON.	NOR1	H Y0	RK				MON	тн - ,	AUG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	13	13	14	14	15	15	14	12	13	11	111	11	11	11	10	10	10	11	11	12	14	15	14	13	12
2	12	12	12	12	12	13	16	16	13	14	15	14	12	12	14	14	14	15	14	14	15	15	16	16	14
3	16	14	14	14	16	19	22	19	17	16	15	15	14	15	16	17	16	17	19	17	16	17	20	17	17
4	17	16	15	15	16	19	20	21	20	16	16	14	12	12	11	11	1.1	12	12	12	12	12	14	13	15
5	13	18	15	14	14	14	16	19	21	16	16	14	13	13	****	12	12	12	13	17	18	16	14	14	15
6	14	14	14	13	13	13	15	15	14	14	14	14	14	13	12	13	13	12	12	13	13	14	15	15	14
7	15	14	14	13	14	15	14	14	14	15	14	15	15	14	15	14	15	16	18	20	24	24	24	22	16
8	19	16	16	16	17	18	18	17	16	20	18	18	18	18		16	16	16	18	17	16	13	12	12	17
9	12	12	12	12	11	12	12	12	13	13	14	14	14	14	13	14	14	13	13	14	15	14	14	14	13
10	13	12	12	12	13	14	18	19	16	15	14	13	13	13	12	16	14	12	14	14	15	15	14	14	14
1.1	15	15	15	16	18	25	22	25	16	14	13	13	13	12	12	13	13	13	13	13	14	15	16	15	15
12	13	13	13	13	13	15	14	14	14	13	13	13	14	15	12	12	12	12	12	13	15	17	19	14	14
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15	13	13	13	13	13	15	14	14	14	12	12	12	12	12	11	11	11	11	11	12	13	13	13	13	12
16	13	13	14	15	17	24	18	20	16	15	14	14	14	14	14	14	14			12	12	13		13	13
17	14	14	13	15	12	11	11	11	10	10	10	10	* * * *	12		11	11	13	13	13	13	14	15	15	15
18	11	11	11	11	11	12	13	12	11	12	12	12		11	12	11	10	11	11	12	12	1.1	11	11	12
19	11	12		13	16	18	18						11	• • • • •	11					11	12	1.1	12	11	11
20	10	11	12	11	11	11	11	17	19	15	14	13			13	14	14	12	11	11	11	1.1	1.1	10	13
20	10	1.1	131	- 11	11	11	3.1	11	11	11	11	11	11	11	11	12	12	12	12	13	13	13	12	12	11
21	12	12	13	15	14	17	20	18	15	14	13	13	13	13	13	12	13	13	13	13	13	12	12	13	14
22	12	1.1	10	10	10	10	10	10	10	10	10	10	10	10	10		10	11	11	12	15	16	14	14	11
23	14	13	12	12	12	12	12	12	12	12	13	15	16	22		1.1	11	11	11	11	11	11	11	11	13
24	1.1	1.1	1.1	1.1	11	1.1	1.1	12	13	1.1	11	1.1	1.1	11	11	11	10	10	10	10	11	12	12	11	11
25	11	11	1.1	10	11	1.3	14	12	11	11	1.1	1.1	11	10	11	12	12	12	12	13	13	13	13	13	12
26	18	19	25	23	19	24	26	22	14	12	13	14	13	13	14	14	14	14	16	15	14	14	16	16	17
27	16	19	20	19	18	18	17	16	15	17	16	16	15	14	12	12	12	11	12	13	13	14	14	14	15
28	13	11	12	13	13	13	13	12	12	1.1	10	10	11	10	9	9	10	9	10	12	15	14	14	13	12
29	13	13	15	14	14	15	17	18	14	12	11	10	10	10	10	11	11	11	10	10	10	10	11	11	
30	11	13	12	12	11	10	11	11	11	10	11	13	13	13	14	13	13	13	13	13	13	12	12	12	12
31	11	1.1	1.1	10	10	12	14	13	13	13	14	13	16	15	16	15	15	15	14	15	16	15	14	15	14
MEAN	13	13	14	13	14	15	15	15	14	13	13	13	13	13	12	13	12	12	13	13	14	14	14	14	13.5

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

- NOTES 1, \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - NOV 77

		530 50510	185	2 200 <del>00</del> 0 )				-0.100000		s 100 mas		2000													
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	31	11	11	11	12	13	15	18	15	13	13	13	13	13	14	15	18	17	16	15	17	17	13	13	1.4
2	12	11	1.1	13	13	15	18	22	24	16	13	13	13	13	15	15	17	18	16	16	15	13	14	14	15
3	13	14	13	12	13	13	16	19	20	19	16	14	14	15	15	17	22	23	23	17	17	19	17	16	17
4	14	19	20	25	26	25	29	25	13	12	12	12	14	12	12	12	12	12	11	1.1	11	1.1	11	12	16
5	1.1	10	10	10	10	11	12	12	12	12	12	12	11	13	13	12	14	12	12	1.1	11	1 1	11	11	12
6	12	1.1	1.1	1.1	11	11	1.1	12	12	12	12	12	14	15	14	13	13	13	13	12	12	12	1.1	1.1	12
7	10	10	10	1.1	11	11	12	13	13	12	12	12	1.1	12	12	12	12	12	1.1	1.1	10	1.1	1.1	11	11
8	10	10	10	10	10	10	11	13	13	12	12	12	12	12	12	13	14	13	12	12	11	1.1	1.1	1.1	12
9	1.1	1.1	10	10	10	10	12	15	15	13	13	12	• • • •	14	12	14	15	14	13	12	12	1.1	11	11	12
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1.1	9	10	10	10	1.1	1.1	12	12	11	11	11	11	10	10	10	10	1.1	11	1.1	11	10	10	10	10	1.1
12	10	10	10	10	10	10	10	10	10	10	10	10	11	10	10	10	10	10	9	10	10	10	10	10	10
13	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	11	11	11	11	11	11	10
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15	• • • •	••••		• • • •	• • • •			****		• • • •	• • • •			• • • •	• • • •	16	16	16	18	17	17	17	16	15	*****
16	16	15	15	15	15	15	15	16	16	16	15	16	15	15	16	16	16	17	18	17	17	17	18	18	16
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PERCENTAGE OF DATA VALID - 96.3 PERCENTAGE OF DATA INVALID - 3.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS . D.1 PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - DEC 77 HOUR DAY 9 10 11 13 14 15 17 18 15 11 12 13 10 11 25 15 15 11 12 13 10 11 31 15 15 11 11 10 11 27 15 15 11 11 10 11 21 15 16 11 12 12 11 21 16 16 17 11 14 12 12 16 19 17 12 11 15 11 13 22 17 20 17 12 16 12 12 12 17 16 17 12 11 13 12 25 16 15 17 12 11 13 12 25 16 15 14 12 12 13 16 20 17 13 12 12 13 17 18 15 13 12 12 12 15 16 15 24 12 13 13 11 12 15 15 14 25 13 13 11 12 15 15 15 12 13 12 17 15 15 19 1 2 3 4 5 6 7 8 9 10 17 12 13 10 11 19 15 12 12 13 12 13 21 15 17 12 11 13 12 14 20 15 12 13 10 11 29 15 10 13 11 12 19 15 12 11 12 19 15 15 12 13 14 15 16 17 18 19 20 22 22 23 21 18 17 15 20 19 26 20 18 17 15 18 20 25 17 17 16 15 14 19 22 32 18 17 15 14 15 32 27 26 25 24 16 15 21 20 22 21 21 18 16 15 22 22 22 24 17 15 15 16 25 21 22 21 18 17 16 15 18 20 27 18 16 16 14 14 17 21 28 17 16 15 14 14 29 28 34 22 19 16 14 18 24 31 42 25 21 16 14 18 18 34 38 24 21 16 14 18 19 37 40 23 22 16 14 17 20 32 35 23 24 16 15 17 21 24 30 25 27 16 15 17 29 24 30 23 28 16 15 17 26 23 30 21 16 15 18 28 24 28 23 21 16 15 19 37 28 23 26 25 16 15 21 33 26 22 27 22 17 15 18 21 29 23 22 26 20 17 15 17 23 24 25 28 22 20 16 15 17 26 23 22 22 19 16 15 16 21 22 23 24 25 26 27 28 29 17 23 18 15 16 16 19 19 21 14 16 18 20 19 23 14 14 16 19 19 22 14 14 16 16 19 24 14 15 15 17 19 24 19 18 24 14 15 15 16 19 17 22 14 15 16 20 30 18 17 23 14 15 15 16 23 27 17 26 14 15 17 23 23 18 18 24 14 15 15 16 20 19 15 16 17 16 20 17 20 18 15 16 15 16 21 18 22 15 16 16 17 17 23 17 14 16 16 16 24 17 17 22 18 14 15 16 17 16 21 17 14 15 16 16 16 20 16 14 15 15 16 17 21 15 14 15 16 16 16 17 21 14 16 17 16 18 19 20 14 14 16 17 19 22 14 14 16 17 18 19 21 14 15 17 18 21 23 17 18 21 14 16 18 16 21 24 17 17 21 15 16 19 16 21 17 18 21 15 16 17 15 21 17.9

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- 2. \* " INDICATES DATA IS UNAVAILABLE
- 3. " \*\*\* \*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

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PERCENTAGE OF DATA UNAVAILABLE - 0.1

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NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

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- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

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PERCENTAGE OF DATA VALID - 99.3

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PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION ELMCREST ROAD, ETOBICOKE STATION - C NO 35003 MONTH - JUN 77 24 MEAN 2 3 4 5 6 7 8 9 16 24 22 29 17 24 18 31 16 23 25 23 17 25 20 31 24 16 24 25 20 22 24 20 30 24 16 24 33 21 38 24 21 25 23 16 27 25 20 21 22 21 23 16 22 20 18 20 21 20 22 20 22 17 18 16 20 19 18 21 17 16 16 14 20 19 17 18 17 15 16 15 19 18 15 17 17 15 14 21 17 18 17 17 15 14 19 17 15 16 18 17 14 18 17 13 16 17 21 16 17 17 16 15 18 20 21 20 15 18 18 17 16 19 20 21 15 18 20 18 25 21 22 21 19 19 22 19 25 22 18 16 24 22 27 18 24 18 31 16 23 22 24 17 24 19 32 24 16 26 21 19 20 22 21 23 23 18 15 14 17 18 14 16 15 13 18 16 14 16 16 16 18 17 14 13 18 18 14 16 17 18 17 16 18 16 14 17 19 16 17 18 16 15 17 16 17 18 18 20 21 14 15 14 20 20 23 24 27 19 17 16 18 19 20 22 21 25 18 20 14 17 17 20 20 22 16 19 14 15 17 20 19 21 16 17 14 17 19 19 21 14 16 14 20 23 21 30 22 26 15 22 22 21 37 22 39 15 16 17 22 32 25 38 23 23 16 18 23 37 26 35 26 20 16 17 18 20 23 21 29 29 25 21 16 24 19 23 22 30 27 23 21 16 26 18 22 22 28 27 24 22 16 18 19 23 28 28 37 25 23 16 20 20 24 25 25 31 24 19 16 18 19 22 21 23 18 21 15 18 19 22 21 23 17 21 14 18 19 19 20 22 14 14 16 16 22 21 20 22 14 14 14 17 23 18 21 21 14 14 14 18 24 18 23 22 18 14 14 23 20 23 40 24 46 16 15 12 13 14 15 16 17 18 19 28 30 30 21 16 22 16 17 14 18 16 18 17 17 18 21 23 18 20 22 23 24 25 26 27 28 29 17 21 21 22 21 26 28 25 18 19 22 22 19 19 25 21 17 26 16 18 23 17 19 22 23 16 19 17 20 16 17 21 17 15 16 23 20 16 18 15 16 23 18 16 18 21 17 16 23 18 15 18 20 18 16 18 19 17 18 21 18 20 23 23 9 21 24 22 22 17 21 16 19 26 25 20 28 27 20 19 52 25 19 22 27 17 21 24 20 21 21 29 17 18 26 23 19 21 21 29 19 19 30 27 19 21 21 27 20 19 20 23 31 19 20 22 31 18 19 19 24 35 20 20 25 30 17 21 19 24 34 20 19 25 23 17 25 18 20 23 18 18 24 22 17 23 15 19 21 20 17 18 21 16 16 16 17 22 18 16 18 20 18 18 17 19 19 22 23 17 23 19 8 20 20 23 22 17 21 24 23 9 23 24 23 23 17 21 19.7 MEAN 

PERCENTAGE OF DATA VALID - 99.3

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PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

															-										
	ST	MOITA	- (	NO	35003		ELMCR	EST F	OAD,	ETOBI	COKE					MON	TH -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	1.3	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	22	21	22	23	24	27	21	20	19	19	17	16	16	19	20	19	18	17	18	18	1 B	20	20	20
2	19	24	28	22	22	24	27	20	23	24	31	28	24	22	19	21	20	21	23	23	23	23	24	34	24
3	26	28	26	20	18	19	19	18	18	19	19	18	18	18	18	19	19	19	20	23	20	20	25	26	21
4	24	21	19	18	26	35	21	30	22	21	22	19	19	18	17	18	18	18	19	19	20	22	21	20	21
5	19	19	20	19	18	19	21	21	20	18	17	17	16	16	16	16	17	17	18	18	24	32	24	22	19
6	19	20	28	30	20	22																			
7													DATA	INVAL	10 -										
8														INVAL											
5 6 7 8 9														INVAL											
10														INVAL											
3.55																									
1.1													DATA	INVAL	ID -										
12														INVAL											
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13														INVAL											
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25												-		INVAL											
26														INVAL											
27									-	100	97	- 0	UH.A		18	19	20	20	21	20	20	20	21	21	
28	20	20	21	21	20	20	21	21									21	20	22	21	20	21	20	20	21
29	20	20	34	24	22	23	23	23	23	20	19	18	17	18	21	21	22	22	21		21	21	21	21	22
30	21	21	25	35	40	36	27	26	25	24	23	22			25	24	24	26		21	21	24	26	26	26
30	21	21	25	35	40	36	27	26	25	24	23	22	20	23	25	24	24	26	27	23	21	24	26	20	26
MEAN	22	22	25	23	23	25	23	23	22	21	21	20	19	19	19	20	20	20	21	21	21	22	22	23	21.6

PERCENTAGE OF DATA VALID - 27.8 PERCENTAGE OF DATA INVALID - 70.8

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. " \*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LLUTAN	(T - 1	OTAL	HYDRO	CARB	ONS						ı	UNITS	. 0.1	PAR	TS/MI	LION							
	STA	NOITA	. с	NO	35003		ELMCRI	EST RO	DAD.	ETOBIC	OKE					MON	TH - 0	OCT	77						
HOUR DAY	10	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	23	23	23	21	21	21	22	22	22	21	21	21	22	22	21	21	21	21	21	21	21	21	20	21	21
2	24	23	25	27	29	27	25	26	25	24	24	24	24	24	23	23	24	25	28	22	27	25	22	23	25
3	22	22	22	21	20	21	21	22	23	24	24	23	22	22	21	21	20	19	19	19	20	21	22	22	21
4	21	21	21	20	20	21	22	23	22	22	21	21	19	19	19	19	19	20	20	21	22	22	22	22	21
5	26	25	25	24	23	23	24	26	26	2.4	23	23	22	22	21	20	20	20	20	20	21	21	21	21	23
6	21	21	21	21	22	24	25	25	23	23	21	20	20	20	31	30	23	21	21	22	22	22	23	23	23
7	24	29	36	35	33	31	25	27	26	23	22	21	19	19	19	19	19	19	19	20	20	19	19	19	23
8	19	19	19	19	19	18	19	19	20	20	20	20	19	19	19	19	19	19	18	18	18	18	18	18	19
9	19	19	18	18	18	18	18	18	18	18	18	19	18	18	18	19	18	18	18	18	18	18	18	18	18
10	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	16	17	22	52	25	22	35	60	22
11	40	44	44	30	23	23	21	23	22	22	23	22	21	21	21	21	21	19	19	20	20	20	19	19	24
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13	21	22	23	23	23	24	27	32	33	28	24	23	22	21	21	21	22	22	23	23	28	25	25	26	24
1.4	25	26	25	44	63	44	47	61	50	31	25	27	25	24	22	21	21	22	24	25	30	28	29	29	32
15	28	48	38	35	54	42	40	35	40	38	28	23	21	24	22	22	23	35	45	32	33	26	28	22	33
16	24	25	25	24	23	23	24	25	25	26	26	26	26	26	26	25	26	26	26	27	28	29	27	27	26
17	27	28	25	24	24	24	24	24	23	24	23	22	22	21	21	21	21	21	22	22	23	23	23	26	23
18	28	30	28	39	33	38	35	33	24	23	23	24	25	31	25	23	22	23	25	31	42	32	42	36	30
19	36	33	34	37	32	39	51	49	46	36	32	27	26	25	23	23	23	26	27	27	26	28	26	26	32
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21	39	27	27	27	26	27	28	28	28	26	24	23		21	21	21	21	21	20	21	22	22	22	22	25
22	23	22	22	23	22	23	23	23	22	22	21	21	21	21	22	23	23	23	23	24	25	25	27	25	23
23	24	24	26	30	27	26	26	26	25	24	24	23	23	23	23	23	23	24	25	27	29	31	71	54	28
24	45	41	43	41	49	40	39	57	48	42	31	26	24	24	25	27	30	32	30	29	33	34	34	34	36
25	59	49	43	35	34	35	43	49	60	52	48	34	32	31	32	30	30	30	31	34	32	38	36	32	39
26	50	46	41	46	50	48	65	80	58	45	28	22	27	21	21	21	21	22	23	28	27	31	25	25	36
27	27	37	31	28	29	37	39	43	36	29	30	27	25	24	26	28	32	28	30	32	31	23	23	24	30
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29	39	41	42	31	29	31	33	29	26	26	25	24	24	24	24	24	24	25	28	61	39	51	43	41	33
30	40	43	41	44	35	35	33	34	36	27	23	22	21	21	21	21	22	23	24	26	30	30	30	28	30
31	26	28	33	29	23	23	23	25	23	23	22	22	22	22	23	23	23	26	27	24	23	24	22	22	24
MEAN	29	29	29	29	29	28	30	32	30	27	24	23	22	22	22	22	22	23	24	27	26	26	28	28	26.3

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY SUMMARY	OF HOURLY AND 2-HOURI	Y DATA FOR 1977		
POLLUTANT - TOT	AL HYDROCARBONS		UNITS - 0.1 PARTS/MILLI	ON
STATION - C N	O 35003 ELMCREST F	ROAD, ETOBICOKE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	22.4	34	77
FEB	26	19.1	22	35
MAR	25	21.0	31	59
APR	30	21.0	29	88
MAY	31	20.2	28	74
JUN	30	19.7	26	52
JUL	30	18.3	24	46
AUG	27	21.5	34	49
SEP	8	21.6	26	40
OCT	31	26.3	39	во
NOV	30	23.6	33	124
DEC	29	25.2	45	118
YEAR	322	21.7	45	124

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY	GROU	FR	EQUENCY	DISTRIBUTION	FOR	1977	
POLLUTANT	- T	TAL	HYDROC.	ARBONS			

MONTHLY G	ROUP FREQUE	NCY DISTRI	BUTION FOR	1977						
POLLUTANT	TOTAL HYD	ROCARBONS				UNITS + C	.1 PARTS/M	ILLION		
STATION -	C NO 350	003 ELM	CREST ROAD	. ETOBICO	KE					
MONT	1 00 TO 10	11 TO 19	20 10 30	31 TO 60	61 10 90	91 - 140	141- 200	20180VER	TOTAL	
MAL	o	139	478	24	3	0	0	0	644	
FEB	0	384	244	3	0	0	0	0	631	
MAR	0	349	238	46	0	0	0	0	633	
APR	0	382	287	43	1	0	0	0	713	
MAY	4	403	303	24	5	0	o	٥	739	
JUN	3	400	290	22	o	o	0	0	715	
JUL	О	491	211	12	0	0	o	0	714	
AUG	8	280	321	65	0	0	٥	o	674	
SEP	0	62	130	8	0	0	0	o	200	
ост	0	86	513	138	6	0	0	o	743	
NOV	0	83	583	40	3	1	0	0	710	
DEC	0	81	546	77	7	2	0	0	713	
YEAR	15	3140	4144	502	25	3	0	0	7829	
FREQUENCY	DISTRIBUT	ON BY PER	CENTILES							
	PERCENT OF DATA			FREO	UENCY DIST	NTRATIONS RIBUTION.	PERCENT			ARITH
	VALID	MIN	10	30 5		90	95	98 99	MAX	MEAN
	89.4	8	15.5 1	7,9 20.	1 22.3	27.2	32.6 41	.2 47.8	124	21.7

POLLUTANT - TOTAL HYDROCARSONS

UNITS - 0.1 PARTS/MILLION

PERCENTAGE OF DATA UNAVAILABLE - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

	1.1.561				N 10000000000	:m ::										140	TO ::	CENT	77						
	ST,	ATION	- C	NO	35033		EVANS	/ARNO	LD AV	E, ET	OBICO	ĶΕ				MON	тн -	DWM	1.6						
HOUR	Ì	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAL												20.50		775	-	4 40	40	***		15	15	15	17	15	15
1	***	****		***		* • • •	13	14	14	14	14	14	15	15 17	15	15 17	16 17	16 18	15	17	17	17	17	17	17
2	1.6	16	16	17	17	16	16	16	15	16 18	16	16 18	19	19	19	19	19	19	19	18	18	17	18	19	18
3	17	17	17	17	17	17	21	19	19	21	20	19	19	19	20	20	21	23	25	39	27	24	22	23	22
4	19	19	19	19	19	19	19 20	23	27	24	22	21	19	19	19	20	21	22	21	19	19	19	19	19	2.1
5	26	32	26	19	18	23	24	29	35	35	30	26	21	19	19	19	20	21	21	21	19	18	18	22	23
6	21	21	22	19	19	20	21	23	24	21	19	20	19	19	19	19	20	19	18	17	18	18	18	18	20
7	20 18	21	19	19	19	19	19	21	22	20	18	20	20	20	20	20	20	19	19	19	19	19	19	19	19
8	19	18	17	16	17	17	17	17	17	17	17	17	17	1.7	18	18	18	19	19	18	18	18	17	17	18
10	16	16	****	****					***	****	****		****			****		****	****	****	****	****		***	****
10	10	1.5																			3.6	18	18	18	*****
11	****	****		***				***	****	****	****		19	18	18	18	1.7	17	17	17	18 18	18	18	18	19
12	17	16	16	16	18	20	22	21	17	18	17	17	19	19	20	21	22	20 23	19 23	21	19	18	18	19	20
13	18	18	18	19	20	22	24	23	20	19	19	18	20	19	21	21 25	23 24	27	29	31	31	30	28	26	25
14	19	19	20	20		21	23	26	28	29	28	27	24	24	25 19	19	19	19	19	18	18	17	17	18	20
15	26	25	23	21	20	20	19	19	19	19	19	19	19	19	17	17	17	17	17	17	16	16	16	17	17
16	18	18	18	18		18	17	17	17	17	17	17	17	16	15	15	14	14	14	13	13	13	12	12	15
17	16	16	15	14		15	15	17	18	17	11	16	12	13	14	14	15	14	13	13	13	13	13	13	13
18	12	12	12	12		11	12 15	15 16	16 20	15	15	16	9	12	13	15	16		10	10	10	10	10	10	13
19	13	13	13	13			11	10		10	11	10	10	10	10	10	10		10	10	10	9	9	10	10
30	10	10	10	10	10	10	1.7	10			10.00	,	1.00		1050										
***	10	9	9	9	10	10	10	10	10	10	10	9	9		17	18	20			15	15	13	13	13	12 13
21	13	12	12	12			12	12			13	13	12	13	13	13	13			14	14	1.3	14	14	13
23	19	17	16	16						14	12		****			6	6			6	6	6 24	23	24	*****
24	7	****	****			7	7	****		****			24	24	24	25	26			26	25	20	20		23
25	28	23	20	21		21	21	25			25	25	25	25	25	25	25 22			20 17	20 16	16		17	19
26	20	20	20	18								16	19	22		20 17	18			17	17	17	16		16
27	16	16	16									16	17 18	16			18			17	17	16			17
28	16		16									18	17				19			17	17	1.7			17
29	17	17	18									17				****	****						****	****	*****
30	17	17	17	17	7 17	17	17	18	18	1.1	17	1.3	15	101/12/06/20											
31													DATA	INVA	rio -										
MEAN	17	18	17	17	7 17	17	17	18	19	18	18	17	17	18	18	18	. 18	3 18	16	18	17	17	17	17	17.6

PERCENTAGE OF DATA VALID - 87.6 PERCENTAGE OF DATA INVALID - 12.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.1 PARTS/MILLION POLLUTANT - TOTAL HYDROCARBONS STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE MONTH - FEB 77 21 22 23 24 MEAN B 9 10 11 12 13 14 15 16 6 7 INVALID -DATA 20 20 20 18 21 19 24 22 22 19 17 20 21 22 22 22 22 19 17 22 23 24 22 21 22 20 17 22 21 23 18 20 22 20 18 20 20 24 17 20 21 19 18 21 21 23 17 22 21 19 17 19 21 21 21 19 19 3 4 5 6 7 8 9 21 21 18 23 20 21 17 22 19 24 21 19 21 19 19 20 17 22 20 25 19 18 20 18 21 20 25 20 18 20 18 21 19 26 23 19 20 18 26 21 26 21 19 20 18 26 21 23 19 20 18 25 20 22 19 20 17 22 19 21 19 17 22 19 21 17 20 19 23 20 18 20 18 28 20 23 21 18 20 19 22 27 19 20 18 24 22 33 19 17 19 21 21 22 19 24 21 19 20 23 21 22 19 18 19 18 20 20 20 20 17 17 19 17 17 19 18 16 15 19 19 17 19 19 18 19 24 19 18 17 19 18 19 20 32 15 21 17 19 17 21 21 19 18 21 17 18 18 20 19 19 19 22 17 18 18 18 18 19 18 22 18 18 18 18 18 16 16 22 18 18 19 19 19 19 18 17 21 18 20 19 19 18 19 19 18 22 19 20 19 20 18 18 19 18 22 20 20 20 21 17 18 17 21 20 21 22 21 18 20 19 20 22 21 17 16 17 18 22 19 19 20 20 17 17 18 21 17 17 23 19 15 12 13 14 15 16 17 18 19 20 19 20 17 17 21 22 19 29 19 18 17 18 18 21 23 29 15 19 17 18 21 22 25 20 15 20 17 21 18 22 24 26 18 22 17 19 16 22 22 19 17 19 17 17 21 21 18 20 20 16 19 18 17 21 20 19 20 23 16 20 22 17 17 21 22 19 25 16 20 19 20 25 17 23 21 19 16 15 24 17 19 20 18 20 17 19 19 17 22 23 24 25 26 27 17 24 17 19 17 17 23 16 16 17 22 16 17 18 20 16 18 18 20 16 16 17 18 18 17 17 19 18 17 19 17 20 18 18 19 18 20 21 19 18 21 21 18 19 18 21 19 19 18 21 18 18 18 22 18 19 23 19 18 22 21 19 19 18 26 18 23 18 24 23 19 25 19 24 22 19 25 16 23 22 19 15 17 18 19 17 15 17 23 21 18 16 17 15 14 19.2 MEAN 

PERCENTAGE OF DATA VALID - 94.0 PERCENTAGE OF DATA INVALID - 6.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	ATION	. с	NO	35033	į.	EVANS	/ARNO	LD A	VE. E	TOBICO	KE				MON	тн - і	MAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	14	14	16	14	14	15	16	16	15	15	15	14	14	14	15	15	15	15	15					
2	16	16	15	14	15	15	15	16	17	16	16	16	16	17		16	16	16	16	17	14	15	16	16	
3	18	16	16	16	16	17	21	23	24	29	20	19	18	16	16	18	20	18			17		18	19	
4	15	13	13	13					24	22	22	21	21	22		21	25	23	15	15	15	14	14	14	
5 6	19	19	18	18	18	18	18	19	19	20	19	20	19	18	18	19	19		22	20	20	19	19	19	
6	18	17	1.7	17	17	18	17	18	18	17	17	17	17	17	17	17	18	19	19	18	18	18	18	18	
7	16	1.7	16	16	17	19	19	22	21	20	18	18	18			17		18	17	18	17	17	16	17	
В	17	18	19	17	18	17	17	18							17		17	16	15	15	16	16	17	17	
9	22	20	21	20	20	19	19		18	17	17	17	17	18	20	20	22	21	21	19	20	19	18	25	
0	15	14	14	14	14			22	26		21	21	24	••••	••••	17	16	15	17	18	17	15	14	18	
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2	••••	38	34	31	17	16	18	23	34	26	17	20	22	19	22	23	25	22	23	23	23	20	19	19	
	20	19	20	23	35	44	44	37	27	24	23	24	25	24	24	24	24	21	21	21	21	20	19	18	
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	18	19	18	19	18	18	19	21	23	21	20	20	20	20	19	19	18	14	14	14	14	14	14	14	
5	15	14	14	14	14	14	14	18	15	15	15	15	15	15		20	21	21	19	16	13	12	12	14	
õ	15	17	14	11	10	10	1.1	1.1	11	11	1.1		19	19	19	19	18	18	18	16					
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3	14	14	15	15	13	12	12	13	13	13	13	14	15	14	15	15	16	16	15	18	16	15	16	16	
•	16	16	16	15	16	16	17	17	16		19	19	21	20	20	21	19	19		14	14	14	14	14	
)	11	12	1.1	1.1	11	11	11	11	11	11	11	11	11	10	10	11	10	10	19	19	17	17	17	12	
	10	10	10	10	10	10	10	10	10	10	10	11	12		18	18	19	20	-						
	18	18	17	17	16	16	17	17	19	20	20	21	21	20	19	19	20		21	21	20	19	18	19	
3	15	15	15	15	15	15	16	18	21	17	17	18	17	18		18	18	20	19	17	15	16	16	16	
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5	15	15	14	15	15	15	16	16	17	17	17	17		13	13	14	14	14	15	14	14	15	15	15	
3	15	15	15	15	15	15	15	16	16	16	17		18	18	••••	17	17	18	19	17	17	16	15	16	
6	24	26	26	26	31	33	34	33	25			19	19	20	20	21	20	19	21	27	22	18	18	19	
3	24	27	27	18	22	22	23	24		19		17	17	17	19	19	19	19	19	20	20	20	22	26	
9	22	22	26	24	28	33			24	22	24	25	26	••••	23	25	29	27	27	26	23	22	21	21	
	44	32	30	35		34	28	26	22	22	20	20	20	20	20	21	21	19	19	20	19	21	28	41	
		32	30	33	37	34	34	40	26	27	24	26	26	26	• • • •	21	19	19	16	17	17	17	18	19	
	19	18	18	18	20	22	18	18	18	17	16	1.7	17	17	17	18	19	19	19	18	18	18	17	17	
N	18	18	18	17	18	18	19	20	19	18	18	18	18	18	18	19	19	18	18	18	17	17	17	18	1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTA	NT -	TOTAL	HYDRO	CARB	ONS							UNITS	5 - 0.	1 PAR	TS/MI	LLION							
	STA	ATION	. с	NO	<b>3503</b> 3	3	EVANS,	/ARNOI	D AV	E. E1	OBICO	KE				MON	тн - ,	APR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	17	16	18	18	17	17	18	19	21	21	22	22	21	22		19	21	22	19	18	17	17	17	17	19
2	17	16	16	16	16	16	16	17	17	17	18	18	19	19	18	22	22	20	22	23	24	26	21	21	19
3	20	19	18	18	17	16	15	15	15	16	17	17	19	19	20	22	22	22	22	22	21	21	20	20	19
4	21	19	18	18	17	16	17	17	18	18	17	17	17	17		18	18	18	16	15	15	15	15	16	17
5	16	16	17	18	17	17	18	18	19	17	18	19	18	18	17	18	18	18	17	16	16	16	16	15	17
6	15	15	15	15	15	14	15	16	1.7	16	17	17	18	17	17	18	18	18	18	18	18	19	18	19	17
7	18	18	18	18	17	18	19	22	21	19	18	17	20	22	22	24	26	23	22	24	24	21	19	19	20
В	18	18	18	17	17	17	17	17	17	16	16	16	16	16	16	16	16	16	16	16	15	15	16	16	16
9	19	20	18	16	17	19	18	17	16	16	16	16	16	17	17	18	18	18	18	18	18	19	20	22	
10	19	21	24	20	22	22	24	24	20	16	16	16	16	17	18	18	19	19	19	17	16	16	16	16	18
	2.00				••	••	•	2.7	-0			10	1.0		1.0		1.5	13	19	1.6	16	1.6	16	16	19
1.1	16	17	21	32	34	34	34	31	29	32		22	24	19	18	20	19	17	16	15	16	18	18	19	23
12	21	17	16	16	16	17	20	23	22	23	20	22	17	16	19	21	17	17	26	17	19	24	39	29	21
13	29	28	33	36	28	32	24	21	21	20	23	20	17	16	17	17	17	17	17	17					
14	14	13	14	14	13	13	14	15	16	17	19	21	19	18		16	17	19	19	17	16	16 17	16 16	17	21
15	14	14	14	14	15	16	18	20	19	18	19	19	18	17	19	19	20	21	21		16				16
16	15	15	15	15	14	15	16	16	16	19	18	17	17	17	17	17	17			21	19	18	17	16	18
17	19	18	18	18	17	17	18	18	19	20	19	19	19			23	24	18 25	19	21	23	26	19	18	18
18	41	41	44	45	39	35	34	38	45	47	34		21	24		25	27		25	27	27	31	33	37	22
19	27	29	30	29	27	32	40	40	36	26	22	21			27	19	21	28	28	31	30	24	34	27	33
20	40	59	50	39	26	32	36	29	28	29	31		21	19	18	24		18	18	19	21	28	35	39	27
		33	50	33	20	32	30	29	28	29	31	20	21	23	21	24	24	23	23	23	23	22	22	26	29
21	32	35	34	38	31	26	24	25	23	22	22	23	19	18	18	19	21	22	28	31	38	26	25	26	26
22	25	21	19	19	23	29	27	23	22	22	30	32	28	27	25	22	23	22	21	21	20	19	19	20	23
23	18	18	18	1.8	19	18	18	19	19	19	20	21	19	18	18	19	20	20	19	19	19	19	18	19	19
24	18	18	17	17	17	18	18	18	17	17	17		16	17	18	17	16	16	16	16	16	15	16	16	17
25	16	18	17	17	17	16	18	20	19		21	20	20	20	21	21	20	20	21	21	22	22	23	25	20
26	28	25	23	23	24	21	21	23	23	22	22	22	22	24	22	22	23	22	22	23	26	24	27	29	23
27	32	30	24	23	23	26	28	26	24	24	21	20	18	18	18	18	17	17	17	18	18	19	21	17	22
28	16	16	16	15	14	14	14	16	14	14	14	15	16	16	18	19	17	17	17	16	16	15	15	16	16
29	15	15	14	14	14	14	16	17	1000		31	30	26	25	24	23	22	21	21	22	26	24	23	23	21
30	21	21	22	22	24	28	27	23	23	23	22	22	20	20	20	20	20	20	21	23	26	25	24	24	23
MEAN	21	22	21	21	20	21	21	21	21	21	21	20	19	19	19	20	20	20	20	20	21	21	21	21	20.6
																				100	S=0 A1				

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. " ... " INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS . O. 1 PARTS/MILLION

	ST	ATION	- 0	NO	35033	1	EVANS	/ARNOL	D AVE	. ET	овісо	KE				MON	тн -	JUL	7 <b>7</b>						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	1.7	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8												- DA - DA - DA - DA - DA	TA UN TA UN TA UN TA UN TA UN	AVAIL	ABLE ABLE ABLE ABLE ABLE ABLE	•									
9		••••					•••	• • • •	21	20	18	17	19	19	19	18	18	18	17	16	16	17	18	17	18 16
10	19	19	18	16	16	16	16	15	15	15	15	14	14	15	15	15	15	15	16	15	16	18	18	18	10
11	18	19	22	22	19	18	17	16	15	16	18	18	18	16	15	16	16	16	19	21	20	17	15	14	18
12	13	15	17	18	17	18	17	19	19	18	17	16	15	15	16	15	16	13	14	12	14	15	18	16	16
13	18	17	14	13	13	14	16	15	14	13	13	13	14	14	14	14	14	14	13	13	14	14	15	15	17
14	15	15	15	16	18	18	20	19	19	21	20	18	17	****	15	17	16	16	15	14	15	19	14	16	19
15	20	19	18	23	24	24	22	22	21	20	18	18	18	18	17	17	18	17	19	19	16	15	17	14	16
16	19	15	17	18	22	26	21	18	15	15	15	14	14	13	13	13	13		13		17	28	17	14	14
17	14	13	13	13	14	1.3	13	13	14	14	13	13	13	14	13		14	13	13	13	14	14	17	18	16
18	13	15	1.7	17	19	19	22	21	20	22	15	14	14 16	14	15	15	16	15	15	18	26	31	29	19	20
19	22	23	20	23	19	16	18	18	19	19	16	••••	18	18	18		16	21	16	16	16	17	17	17	21
20	23	21	23	29	27	27	26	32	20	17	17	16	18			80000	10	2.	10	10	10			1.41.5	
21	17	16	15	15	14	15	16	16	16	16	• • • •	16	17	16	16	16	17	16	15	16	16	17	16	15	16
22	15	15	15	15	15	14	15	16	15	15	15	15	15	15	15	16	16	15	15	15	16	17	15	15	15
23	16	15	16	1.6	15	15	17	18	17	15	15	15	15	1.1	4		• • • •	••••	• • • •	••••	••••	••••	-		
24		••••						• • • • •	• • • •	• • • •	****	• • • •	••••	• • • •	••••	••••	• • • •	••••	• • • • •	16	16	14	17	17	13
25	13	13	12	1.4	12		14	15	13	13	13	13	13	13	13	1.4	14	14	13	13	13	14	14	14	14
26	13	13	15	13	13		1.4	14	13	13	13	13	13	13	14	14	16	17	16	16	16	20	20	19	17
27	16	16		15	15		17	18	18	16	••••	• • • •	••••	16	16	16	16	17	17	17	18	18	17	18	20
28	18	18	19	25	27			28	23	19	19	17	17	17	1.6		15	13	13	14	15	14	15	16	19
29	24	27	28	30	33		20	21	23	20	17	16 12	16	16 12	17		12	12	12	13	13	1.4	14	15	13
30	16	15	14	12	12	12	12	13	13	12	1.2	12	12	12	12	12	12	1.2	1.2	13	1.3			1.5	
31	15	15	16	17	17	17	14	14	13	12	12	13	14	13	13	13		11	12	14	17	18	15	12	14
MEAN	17	17	17	18	18	18	18	18	17	16	16	15	15	15	15	15	15	15	15	15	16	18	1:7	16	16.4

PERCENTAGE OF DATA VALID - 67.9 PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 23.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "...." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LUTAN	iT - '	ΤΟΤΔΙ	HYDRO	CARB	ONS							UNITS	- 0.	1 PAR	TS/MI	LION							
	STA	NOITA	- с	NO	35033		EVANS,	/ARNOI	LD AV	E, E1	овісо	KE				MON	TH - J	UG	77						
HOUR DAY	Æ	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1	13	15	14	13	12	15	13	12	11	11	11	1.1	12	12	11	1.1	11	11	12	15	13	13	14	15	13
2	14	13	13	14	14	15	19	18	16	16	16	15	15	14	14	14	14	14	15	14	14	15	16	16	15
3	15	15	16	18	19	18	19	23	19	16	15	17	18	16	16	15	13	14	17	17	20	23	15	16	17
4	16	17	17	14	19	23	25	21	19	18	18	18	15	15	15	15	15	16	16	20	19	20	24	15	18
5	15	15	14	14	14	15	19	19	1.8	16	19	18	17	16	15	15	15	15	15	16	18	18	18	16	16
6	14	14	15	16	14	15	17	19	17	16	15	14	14	14	14	15	15	14	18	15	14	14	15	15	15
7	15	15	16	16	16	16	16	15	13	12	12	13	13	12	13	13	13	13	13	13	13	15	18	18	14
8	23	19	16	14	14	17	22	22	18	18	••••	• • • •	••••	• • • •	19	18	17	14	14	15	19	15	13	12	17
9	12	12	12	13	12	13	16	17	18	17	14	12	14	14	14	15	14	13	12	13	14	14	14	14	14
10	14	14	13	15	16	17	17	16	16	15	15	16	15	15	15	15	15	15	15	18	18	21	22	15	16
11	13	14	14	14	15	16	23	21	18	14	14	14	14	14	15	15	15	15	14	14	13	13	13	13	15
12	13	12	12	13	14	15	18	18	14	13	13	13	14	14	14	14	14	13	14	15	17	17	14	14	14
13	15	15	15	16	17	16	18	17	18	17	15	14	14	14	14	13	13	14	13	13	13	15	16	15	15
14	14	15	16	17	15	15	14	14	12	13	13	14	14	14	14	14	14	14	15	15	16	17	17	17	15
15	17	16	16	18	19	21	22	23			11	11	14	14	15	15	14	14	16	16	16	16	18	21	17
16	19	17	18	19	18	17	18	18	19	17		14	14	14	14	14	13	13	13	14	14	17	17	14	16
17	13	13	16	16	15	14	13	13	12	12	12	12	12	12	11	11	11	11	11	11	11	10	9	9	12
18	10	10	10	10	10	11	12	13	11	11	11	11	11	11	11	12	12	1.1	11	11	11	12	13	14	11
19	15	14	16	17	20	24	20	21	16	16	15	13	13	12	12	13	12	11	1.1	11	10	10	10	10	14
20	10	9	9	10	10	10	11	11	11	10	10	10	10	10	10	10	10	10	1.1	1.1	12	12	11	11	10
21	14	14	14	15	17	22	20	15	13	12	12	11	12	12	12	12	12	12	13	13	11	11	12	13	14
22	11	11	1 1	1.1	1.1	12	12	12	12	12	12	11	11	11	11	12	11	11	11	12	14	15	16	15	12
23	16	14	1.3	1.1	1.1	11	13	14	12	11	11	12	11	1.1	11	11	1.1	11	11	11	10	1.1	12	12	12
24	12	12	12	14	14	14	15	17	17	16	14	12	12	12	12	16	14	13	13	13	13	14	1.5	16	14
25	14	13	1.3	14	15	15	18	19	17	16	15	15	15	14	14	14	14	14	17	15	14	15	18	20	15
26	25	21	22	26	29	31	36	34	19	18	18	19	18	18	18	18	18	17	16	16	16	1.7	17	18	21
27	26	27	23	21	19	18	20	24	21	21	21	21	18	17	16	16	16	16	16	17	18	1.8	19	20	20
28	17	17	17	18	18	19	17	16	16	16	16	15	-	13	12	11	12	1.1	12	16	13	15	14	13	15
29	14	17	47	32	23	17	16	19	21	12	13	13	12	12	13	12	12	11	12	12	11	1.1	1.1	11	16
30	12	13	18	13	13	14	16	15	14	13	12	14	14	14	14	14	13	12	12	12	13	13	16	20	14
31	16	15	18	18	18	15	14	14	16	17	14	13	13	13	14	13	14	13	14	14	15	16	16	19	15
MEAN	15	15	16	16	16	16	18	18	16	15	14	14	14	13	14	14	13	13	14	14	14	15	15	15	14.9

NOTES 1. \*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.8

- 2. ... INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LE\_S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	STA	TION	- с	NO	35033		EVANS	/ARNO	LD AV	/E, E1	08100	) K E				MON	TH - 1	VOV	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
1	14	14	12	11	12	11	13	14	14	13	13	14	13	13	13	13	14	17	17	15	12	13	15	14	14
2	15	15	15	13	12	15	15	13	15	14	14	15	14	14	13		19	15	15	14	14	1.3	13	14	15
3	14	14	14	14	14	15	16	18	18	16	17	14	14	15	15	17	21	17	13	12	13	15	15	16	15
4	19	19	16	21	17	14	14	24	23	15	15	15	16	16	17	15	15	14	14	14	15	15	15	14	16
5	12	12	1.2	12	12	12	12	12	12	12	13	13	12	12	12	13	13	13	12	12	12	12	13	13	12
6	13	12	12	12	12	12	12	14	13	14	14	14	15	15	16		13	13	12	12	12	12	12	11	13
7	1.1	11	11	11	11	1.1	1.1	13	13	13	12	12	12	12	12	12	12	12	1.1	11	10	10	9	9	11
8	11	10	10	10	10	10	10	10	10	11	12		11	10	12	11	12	10	10	10	12	11	11	11	11
9	12	13	10	10	10	10	11	12	12	12	10	1.1	11	15	15	17	16	15	13	13	12	13	13	13	12
10	12	14	15	15	15	15	15	17	16	15	16	14	14	12	12	14	14	12	12	13	11	11	11	11	14
1.1	11	10	10	10	10	10	10	12	11	13	11	13	11	11	11	12	13	12	11	11	11	11	11	11	11
12	11	10	10	10	11	1.1	11	1.1	1 1	1.1	11	11	10	11	11	11	11	12	1.1	11	10	10	10	10	11
13	12	11	11	11	11	1.1	1.1	1.1	11	1.1	11	11	11	11	11	11	12	12	13	13	14	15	15	15	12
14	17	14	14	14	16	19	19	23	20	16	14		14	14	13	14	14	15	15	14	14	15	15	14	16
15	14	14	15	15	15	1.4	16	24	29	22	17	16	16	22	17	17	18	18	18	17	16	15	14	14	17
16	13	13	13	13	14	1.4	17	15	15	15	15	16	19		19	21	24	23	21	22	21	19	19	22	18
17	17	22	18	17	17	21	19	22	20	20	18	20	18		16	15	17	18	16	16	17	18	19	16	18
18	15	15	15	14	14	14	15	16	16	14	15	15	15	15	15	15	16	16	15	14	14	14	14	14	15
19	15	14	14	14	14	14	16	15	15	14	14	15	13	13	13	14	14	15	15	16	15	15	16	16	15
20	17	19	19	15	13	12	12	12	12	12	12	12	••••	••••	12	12	12	12	12	12	13	13	13	13	13
21	13	12	12	13	13	13	15	15	19	15	15	15	15	14	13	14	15	15	15	13	13	14	14	14	14
22	15	15	14	14	13	14	15	16	17	• • • •	15	14	13	14	13	13	15	15	14	15	17	21	20	18	15
23	14	19	17	15	14	13	13	13	14	14	15	16	15	15	15	17	21	16	15	15	15	15	15	14	15
24	15	15	15	15	14	14	15	16	16	16	15	14	15	14	15	15	15	15	14	15	14	13	14	14	15
25	14	14	14	14	14	1.4	14	••••		13	13	14	14	14	14	15	18	13	13	13	14	14	14	14	14
26	1.1	10	1.1	1.1	10	7	8	В	8	7	7	7	6	6	6	6	6	6	6	5	5	5	5	5	7
27	5	6	6	6	6	6	6	6	7	6	6	6	6	6	6	6	7	6	6	6	6	6	6	6	6
28	9	9	10	10	10	3.5	12	17	26	17	15	14	17	17	• • • •	17	18	15	14	14	13	13	14	14	14
29	14	14	14	14	14	14	15	19	20	20	18	15	16	16	16	16	18	20	17	1.4	14	14	13	13	16
30	14	13	24	28	17	13	14	26	32	25	••••	19	18	16	16	16	16	15	14	14	14	14	14	14	18
MEAN	13	13	13	13	13	13	13	15	16	14	14	14	14	13	13	14	15	14	13	13	13	13	13	13	13.7

PERCENTAGE OF DATA VALID - 98.2 PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1, \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	T - 1	TOTAL	L HYDRO	CARE	BONS							UNITS	. 0.1	PAR	TS/MI	LION							
	ST	ATION	- с	NO	35033		EVANS	/ARNO	DLD AVE	E. E1	овіс	DKE				MON	тн в ф	DEC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	-11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	14	14	14	13	13	13	14	15	17	18	17	14	13	14	14	14	14	12	11	11	10	10	10	13
2	9	10	10	10	10	10	10	11	12	1-1	11	12	12	11	1 1	1.1	1 1	10	10	11	10	10	10	10	11
3	11	12	11	10	10	10	1.1	1.1	1 1	1.1	11	11	1 1	11	1.1	11	12	14	13	13	10	11	11	11	11
4	12	12	12	12	12	12	12	12	12	11	11	11	13	13	13	13	14	13	14	14	15	18	20	18	13
5	17	16	15	1.4	13	13	1.4	15	15	14	13	14	14	14	14	14	15	14	14	13	13	14	13	13	14
6	13	13	1.3	13	13	14	15	17	18	15	14	14		14	14	14	15	15	15	14	14	13	14	13	14
7 8	15	14	14	16	1.7	19	22	23	24	19	17	18	16	16	15	17	18	17	17	17	17	17	17	17	17
9	18	17	19	19	22	20	24	29	48	39	38	22	19	23	22	18	20	16	15	14	14	15	15	14	22
10	13	14	14	15	15	14	15	16	16	15	15	16	16	17	15	16	17	17	15	15	15	15	15	14	15
10	13	15	16	15	15	15	17	19	19	16	16	15	15	15	15	17	18	21	19	20	22	19	17	16	17
1.1	17	20	18	20	19	21	23	22	21	19	18	16	16	16	16	16	17	19	22	24	24	25	28	29	20
12	27	29	24	24	26	27	28	29		16	17	18	18	21	22	24	28	27	22	18	18	16	31	18	23
13	15	16	16	17	16	16	18	19	18	19		20	17	18	18	19	20	18	17	18	16	17	16	17	17
14	19	21	19	22	19	21	29	37	47	47	50	52	41	33	38	30	27	23	22	20	19	18	17	17	29
15	16	15	17	15	14	16	17	21	22	19	22		17	17	18	19	21	18	17	17	17	16	17	15	18
16	15	15	15	15	14	14	15	17	19	19	21	20	17	17	17	18	16	16	16	16	15	15	15	15	16
17	12	12	12	12	12	12	12	18	17	14	13	12	13	13	13	13	12	12	12	12	12	12	12	12	13
18	13	13	13	13	13	13	13	13	13	13	13	13	14	14	13	13	13	13	13	13	12	12	12	12	13
19	12	12	12	12	12	12	14	13	13	14	14	14	14	15	15	16	15	14	13	12	12	11	11	11	13
20	11	11	11	1.1	11	11	11	12	12	12	12	12	12	12	13	13	13	13	16	17	13	13	13	12	12
21	13	14	14	13	13	15	15	16	16	16	14	15	15	15	15	15	16	16	16	16		18	15	15	15
22	15	14	14	14	14	14	14	17	19	20	17	18	17	16	19	18	15	13	13	13	13	13	14	14	15
23	14	14	14	14	14	14	14	15	16	16	18	19	18	15	15	15	15	14	15	15	15	14	15	16	15
24	16	18	17	17	17	17	19	19	18	17	17	18	18	17	16	16	16	15	15	15	15	15	15	15	17
25	13	15	16	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	12
26	12	12	12	11	1.1	1.1	12	12	12	11	11	11	12	12	12	12	12	12	12	12	12	12	12	13	12
27	14	14	12	13	13	13	13	17	16	14	14	13	12	12	1.1	12	12	13	12	12	13	12	12	12	13
28	11	12	12	1.1	1.1	11	1.1	12	14	12	12	12	13	13	13	13	14	14	1.1	1.1	11	11	1.1	11	12
29	11	1.1	18	25	12	12	12	14	16	15	13	12	12	14	16	13	13	16	15	15	14	14	14	14	14
30	15	15	15	16	16	14	15	17	18	17	22	24	24	21	18	17	17	18	18	18	19	24	24	20	18
31	16	16	16	16	16	16	16	16	18	17	17	18	17	17	15	16	15	14	14	14	14	14	14	14	16
MEAN	14	15	15	15	14	15	16	17	18	17	17	17	16	16	16	16	16	16	15	15	15	15	15	14	15.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	s	TATI	ON -	С	NO	44010		1298	REBE	CCA S	T OA	VILLE					MONT	Гн - г	EB	77						
HOUR DAY	1		2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	1.7	18	19	20	21	22	23	24	MEAN
1															VAVAIL											
2 3 4 5 6 7 8															AVALL											
3															AVALL											
4															AVAIL											
5															VAVAIL											
6															LAVAIL											
7															VAVALL											
8															ILAVAL											
9															IIAVAI											
10													- DA	I A U	ILAVAL	VRLE	~									
11													- DA	TA U	IAVAL	ABIE										
12															VAVAL											
13															VAVAL											
14															VAVAL											
15															MAVAIL											
16															NAVAII											
17													- DA	TA UI	NAVAII	ABLE										
18													- DA	TA U	NAVAL	ABLE	*									
19													- DA	TA U	NAVAL	ABLE										
20													- DA	TA U	NAVAII	ABLE										
27														** 11	NAVAII	A B . E										
21															NAVAL											
23															NAVALI											
24															NAVAI											
25															NAVAI											
26															NAVAL											
27															NAVAL											
28	-				7	÷	-2				8		-		****		20	20	21	21	23	23	23	21	21	
																		2.01	200							
MEAN			• ••	• • •	•••			••••				••••	••••	••••	• • • • •	20	20	20	21	21	23	23	23	21	21	21.3

PERCENTAGE OF DATA VALID - 1.5 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 98.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	INT -	ΤΟΤΔΙ	L HYDR	OCAR	BONS							UNITS	- 0.	1 PAR	TS/MI	LLION	į.						
	ST	ATION		C NO	44010	)	1298	REBEC	CA ST	OAM	VILLE					MON	TH -	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	18	18	18	22	21	21	19	19	18	17	17	17	17	17	17	17	18	18	17	20	20	18	18	18
2	17	22	20	18	18	18	19	20	19	19	19	18		• • • •	17	17	17	18	20	23	22	22	20	20	19
3	19	20	19	20	20	21	24	23	24	22	21	19	21	19	19	18	18	18	18	18	18	18	18	18	20
4	18	18	18	18	18	18	18	19	19	19	19		19	19	20	19	19	18	19	23	22	21	21	21	19
5	21	19	21	22	22	22	20	21	22	23	23	24	22	23	24	23	23	23	23	23	21	21	19	19	22
6	20	19	19	19	19	19	19	19	19	19	21	19	20	19	19	19	19	19	19	20	21	21	19	21	19
7	20	21	21	21	21	19	18	20	21	19	19	18		17	17	17	18	18	17	17	17	17	18	16	19
8	21	17	18	20	18	17	19	22	22	21	17	16	19	19	21	21	20	21	21	23	20	18	19	17	19
9	17	20	18	18	18	18	18	18	18	18	18	20	****	21	19	17	18	18	20	23	21	19	20	16	19
10	17	17	16	16	19	16	17	19	20	20	18	18	19	23	21	22	21	21	22	26	31	32	32	26	21
11	28	25	26	28	27	27	29	37	39	36	29	26	24	23	22	23	22	22	21	24	20	22	22	23	26
12	22	22	21	22	21	21	23	22	22	22	21	21	20	20	19	19	19	20	23	24	24	20	18	17	21
13	17	17	18	18	17	17	17	18	20	19	19	19	19	18	18	18	18	18	19	21	26	22	21	19	19
14	18	19	19	19	19	18	18	19	18	18	18	18	-		16	15	15	15	15	16	17	16	16	18	1.7
15	19	21	20	19	20	19	21	26	22	21	20	18	17	17	17	18	17	16	17	17	17	17	16	15	19
16	18	17	16	14	14	14	14	14	14	15	15	15	15	• • • •	17	16	16	15	15	15	15	15	15	16	15
17	17	17	17	17	17	18	18		19	19	19	18	18	17	16	16	16	16	18	16	17	20	21	21	18
18	17	16	16	17	17	18	18				• • • •	23	••••	25	22	20	19	18	18	18	19	18	18	19	19
19	20	20	18	18	18	18	18	19	19	18	• • • •	18	15	13	11	10	10	9	9	9	12	15	18	22	16
20	24	23	27	28	24	22	21	21	20	20	19	19	18	19	18	19	18	17	17	17	18	19	20	22	20
21	25	25	39	23	23	24	25	28	27	25	22	20	• • • •	15	13	12	11	10	1.1	1.1	12	15	15	15	19
22	16	14	14	16	17	22				18	18	18	17	16	16	17	18	17	17	17	18	18	18	18	17
23	19	20	21	22	24	25	24	25	24	22	20		16	13	12	10	10	10	10	9	9	10	1.1	12	16
24	13	15	16	17	18	19	21	23	24	25	25	25	24	23	21	21	20	20	22	22	23	24	25	27	21
25	29	27	26	27	27	27	26	26	25	24	23	21	19		16	14	13	12	12	13	14	15	15	17	20
26	18	19	21	22	23	26	30		25	23	21	19	17	15	14	13	12	12	1.1	14	14	16	18	17	19
27	22	24	26	26	27	32	32	31	25	24	24	23	21	20	19	18	18	17	17	18	19	19	18	18	22
28	19	19	18	17	16	18	18	18	19	18	18	18		17	17	18	18	18	18	16	16	16	16	16	17
29	17	17	17	15	16	18	16		15	14	14	14	****	* * * *				••••	19	21	19	16	15	16	16
30	18	15	16	20	22	27	25	19	18	16	15	15	14	• • • •	****	****	• • • •	••••	****	••••	••••	• • • •	• • • •	****	
31	14	••••	• • • •	••••	••••	****	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	• • • •	••••	••••	••••	••••	• • • •	••••	•••••
MEAN	19	19	20	20	20	21	21	22	21	21	20	19	19	19	18	17	17	17	17	18	19	19	19	19	19.2

PERCENTAGE OF DATA VALID - 91.8 PERCENTAGE OF DATA INVALID - 7.8

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - O 1 PARTS MILLION

						0.0.4	00113							UNITS	- 0.	1 PAR	TS/MI	LLION	i .						
	S	ATION		C NO	44010		1298	REBEC	CA ST	04	KVILL	E						JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
																				20	21		23	24	MEAN
1	22	22	35	21	18	18	17	32	16	17	18	18	20		2/0										
2	19	19	19	19	18	19	19	19	17	17	17	17		20	19	19	19	19	19	19	19	18	18	18	2
3	32	32	30	31	30	28	23	21	19	19		21		17	17	17	1.7	18	18	19	22	30	28	23	î
4	32	29	26	26	26	28	26	21	20	19	19	20	22	22	21	21	21	21	21	21	21	22	23	29	2
5	21	20	19	19	19	19	18	18	17	17	17	18		21	21	20	20	21	22	22	22	24	25	24	2
6	16	16	17	21	18	18	17	17	18	21	19	18		20	21	18	18	18	18	20	21	19	18	17	ī
7	15	15	15	15	15	15	15	15	15	15	15	15		15	14	13	13	13	12	12	12	13	13	13	i
8	17	17	17	17	17	17	16	16	15	14	14		15	15	14	14	14	14	14	15	15	15	15	15	i
9	20	20	19	19	19	20	21	20	18	18	18		19	18	18	18	18	18	20	20	19	19	20	20	i
10	17	17	17	17	17	17	17	16	16	16	16	18 17	17	16	17	16	17	16	16	16	16	16	17	16	
					6.8			10	1.0	1.6	10	17	18	17	18	18	19	18	17	18	23	25	20	21	11
11	21	20	19	19	18	18	15	15	15	16	17												20	21	
12	16	16	16	18	17	21	24	16	15	15	16	17	17	18	17	17	17	16	19	26	19	16	16	16	1211
13	15	15	15	16	16	16	16	15	15	15		16	17	16	1.7	18	18	17	18	23	17	17	17	17	1
14	19	19	20	17	16	18	21	15	15		15	14	16	15	15	15	16	15	15	18	21	17	17	19	17
15	17	16	16	16	16	16	16	16	16	15	15	15	16	16	16	16	16	16	18	21	19	23	18	17	10
16	23	18	1.8	19	24	25	23	19		17	17	17	18	18	20	17	16	16	16	17	21	24	20	23	1
17	22	16	15	16	17	18	22	18	17	17	17	17	16	16	16	15	15	16	16	16	18	19	19		1.8
18	30	22	24	18	18	19	21		19	17	16	• • • •	20	17	16	16	16	16	16	18	23	30	35	23	1.6
19	15	15	15	15	15	14	14	22	18	16	16	17	15	16	16	18	16	16	15	15	15	15	16	34	20
20	15	20	23	18	17	17	18	14	14	15	15	15	15	15	15	15	15	15	15	15	16	15		16	18
						1.7	18	17	16	18	• • • •	21	20	18	16	16	15	15	15	15	15	14	15	15	15
21	14	14	14	1.4	14	14	14	13	27										3.4		13	1.79	15	14	17
22	14	14	14	14	14	15	15		13	13	14	15	15	15	15	15	15	15	15	14	14	14	14	2.4	1.7
23	18	18	19	18	18	19	18	14	14	13	14	14	16	16	16	15	15	15	16	17	18	20	21	14	14
24	24	22	22	22	24	25	27	17	17	16	1.7	17	17	17	17	17	16	16	18	18	18	21	21	21	16
25	16	29	16	14	15	14		25	21		• • • •	16	15	15	14	15	18	16	16	17	21	22	20	21	16
26	16	16	16	15	14	14	15	15	16	16	15	14	13	15	15	15	15	15	17	18	19	24	18	18	20
27	23	28	23	18	17	18		14	14	15	15	16	16	16	15	15	16	16	16	17	17	19	16		17
28	28	31	28	21	22	25	23	22	20	19	19	18	19	17	16	16	16	16	23	24	24	23		17	16
29	20	17	17	17	15	17	23	21	19	19	21	18	22	21	19	18	17	17	17	17	18	18	19	27	21
30	15	16	26	20	21	20	17	18	15	15	15	15	16	16	16	16	16	16	16	16				18	21
				20	21	20	21	21	20	19	18	18	17	16	16	16	17	16	17	17	16	16	16	16	16
MEAN	20	20	20	18	18	19	19	18	17			-	925							1.2	19	16	17	16	18
					(*)(*)	100	13	10	1)8	17	16	17	17	17	17	17	17	16	17	18	19	19	19	19	17.9
PERCENT	AGE C	F DAT	A VA	LID -	99.2			PERCEN	TAGE	ne n	ATA 1		n .			-									
														Э.В		PER	RCENTA	GE OF	DATA	UNAV	AILAE	BLE -	0.0		
OTES 1			INDI	CATES	INVAL	ID D	ATA DI	JE TO	INSTRI	IMEN	TATIO	M EAT	LUDE												

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	HYDR	OCARE	BONS							SIINU	- 0.	1 PAR	TS/MI	LLION							
	ST	ATION	*	C NO	44010		1298	REBEC	CA ST	OAK	VILLE							JUL	77						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	17	17	17	17	17	17			122															
2	15	15	16	15	15	16	15	16	16	16	16	17	17	17	17	18	18	18	15	15	15	15	16	15	17
3	19	20	18	19	19	19	19	19	13	13	13	15	15	15	15	16	16	16	16	16	16	17	18	19	15
4	19	17	17	19	19	20	23		16	16	16	17	17	17	17	17	17	18	17	25	16	20	19	19	18
5	17	18	18	18	17	17	17	21	19	18	17	17	18	16	14	14	13	13	14	18	19	19	18	17	17
6	23	21	18	20	18	16			16	15	16	15	15	15	15	15	14	17	17	17	16	18	17	19	
7	15	15	15	14	14	14	16	16	19	20	16	18	18	1.7	16	15	14	14	14	14	14	14	14	14	17
8	18	18	18	18	22	20	14	15	15	15	15	14	14	16	17	19	21	14	15	15	15	16	18	18	17
9	23	18	17	24	19		22	24			22	19	18	18	18	18	18	19	22	19	30	24	24	27	16
10	16	16	16	16	16	17	17	1.7	16	15	16	17	17	16	16	15	16	16	16	16	16	16	16		21
.1.000			1.0	10	10	15	15	14	14	14	14	15	16	16	16	16	16	16	16	16	16	17	16	15 16	17
1 1	16	17	20	22	17	16	16													10	10	1	10	10	16
12	24	23	21	20	21	27		16	16	18	19	21	21	21	21	21	21	21	22	24	23	21	23	37	
13	22	22	19	20	22	20	21	24	22	23	23	22	20	17	16	16	16	17	19	19	22	21	21	20	20
14	21	20	20	20	21		19	17	17	17	18	19	20	19	19	18	18	19	20	20	20	23	23		21
15	34	23	25	27	26	21	21	21	21	21	21	22	22	21	21	24	23	22	21	21	21	23	27	22 30	20
16	24	18	19	20		24	23	41	22		• • • •	18	14	1.1	10	7	8	16	17	21	16	15	15	15	22
17	19	20	21	19	18	18	19	18	17	17	17	18	23	21	20	18	21	35	23	23	21	22	22		20
18	24	28	30	21	18	18	17	17	17	17	17	16	15	13	12	1.1	13	14	16	17	19	26	24	21 19	21
19	24	51	40	32		29	23	27	22	22	22	19	17	14	13	1.1	11	12	13	15	25	39			17
20	22	43	54	39	23	38	30	22	23	19	19	18	20	19	19	18	18	18	19	25	30	36	28 28	20	22
		43	34	33	26	31	48	22	21	20	18	16	12	10	8	6	6	6	7	13	19	21	19	24	26
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-	4.6	1.0	19	16	20	17	15	14	13	14	14	15	14	14	15	15	16	16	15	16		18 15	19	21	19
31	16	16	16	16	17	18	15	15	13	13	13			. 12			12020				16	15	15	15	16
MEAN	19	20	-								1.3	13	13	15	13	12	14	13	13	14	21	15	16	15	15
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PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LELS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

	51	TATION	-	C NO	44010	1	1298	REBEC	CA ST	OAH	VILLE					MON	TH ·	DCT	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	18	19	16	16	16	16	15	15	15	15	16	18	17	17	17	17	17	16	16	16	16	15	15	16
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5	21	19	19	18	19	21	21	24	21	23	19	17	16	19	18	18	18	21	19	19	19	20	17	23	20
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7	16	16	16	16	16	16	16	18	19	18	16	16	15	15	15	15	15	15	14	14	14	14	14	14	16
В	14	14	14	14	14	15	15	15	15	15	14	14	14	14	14	13	13	14	14	14	13	13	13	14	14
9	14	14	15	15	14	14	15	15	15	14	14	15	14	14	14	14	14	14	14	14	14	14	14	14	14
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1.1	22	22	21	21	21	23	19	17	16	16	15	15	18	17	17	17	16	16	17	17	18	18	16	16	18
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17	16	16	16	16	16	16	16	20	16	16	16	17	16	16	16	16	16	16	16	21	24	20	30	24	
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19	21	19	17	19	23	23	31	31	29	24	26	27	23	22	21	19	19	18	18	18	18	18			20
20	17	17	17	19	18	18	21	18	17	18	18	1 B	17	18	17	16	17	19	19		22		18	17	22
		1.5			, ,							10	2.0	10	1.0	10	3.6	19	19	18	22			••••	18
21	••••	••••	• • • •				****	• • • •						24	23	22	20	19	22	22	22	22	20	21	
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31	15	15	15	15	15	15	23	21	19	17	16	16	16	••••	16	14	14	16	18	25	22	24	20	15	17
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PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - C NO 44010 1298 REBECCA ST OAKVILLE MONTH - NOV 77 HOUR 24 MEAN 20 27 31 17 16 17 13 14 20 28 32 17 16 18 13 14 42 25 34 17 16 18 13 14 21 25 31 17 16 18 13 14 25 29 35 17 17 18 13 14 24 29 33 17 17 19 14 15 15 16 19 17 17 19 14 15 15 18 16 18 15 14 15 15 18 16 19 15 14 15 16 19 16 17 14 14 15 14 18 16 17 14 14 15 16 19 17 17 14 15 14 16 19 16 18 14 14 15 14 20 18 16 18 14 15 18 14 22 17 16 17 14 16 18 15 23 17 16 17 14 14 16 18 16 25 17 16 17 14 14 16 18 25 30 19 17 17 13 14 15 18 20 24 27 17 16 14 15 28 37 17 16 18 13 14 27 42 17 17 18 13 15 25 21 17 17 19 14 15 24 17 16 17 14 14 16 17 29 18 16 17 13 14 16 19 12 13 14 15 16 17 18 19 21 26 28 16 15 18 20 16 21 21 26 28 16 16 18 21 16 22 21 26 28 16 28 16 16 16 23 21 25 30 16 26 15 15 21 25 30 16 17 15 16 17 21 26 30 17 18 17 16 17 22 26 34 20 17 15 17 18 22 27 39 23 17 18 17 17 23 26 33 23 17 20 17 18 23 26 33 19 17 15 16 18 23 26 29 18 17 16 16 18 23 26 28 17 17 16 17 23 25 28 17 16 17 17 16 16 23 25 17 16 16 17 16 24 25 16 16 16 15 17 24 25 16 16 16 16 16 16 24 26 16 15 16 15 16 16 16 24 26 16 15 17 16 17 24 28 17 15 17 15 17 16 13 24 27 20 15 18 16 17 17 25 30 19 15 18 21 17 17 25 29 17 15 18 20 17 17 23 26 25 17 18 17 17 25 17 17 16 15 17 15 22 23 24 25 26 27 28 29 16 16 17 17 19 18 21 18 16 15 17 15 19 18 16 15 19 15 20 18 20 16 15 18 14 20 17 22 16 16 18 14 20 18 19 16 16 23 14 20 18 18 16 15 18 14 20 19 24 18 16 16 16 14 20 23 27 18 17 15 16 18 16 17 17 15 20 23 27 18 15 17 16 15 20 19 28 17 18 15 16 15 16 20 20 23 16 17 17 16 19 17 21 16 15 16 16 16 17 16 15 14 15 16 17 15 15 15 16 18 19 18 18 17 16 15 17 18 19 19 21 15 17 16 17 18 20 19 23 17 17 17 18 17 20 22 17 24 17 16 16 19 17 21 20 17 24 17 18 16 19 21 16 17 16 19 17 21 18 17 16 16 17 16 19 19 21 15 16 20 21 23 18 MEAN 18.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION -	C NO 44010	1298 REBECCA	ST	OAKVILLE
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MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVA	ILABLE	
FEB	0	21.3	****	23
MAR	29	19.2	26	39
APR	24	18.8	27	47
MAY	31	18.4	29	60
JUN	30	17.9	24	35
JUL	31	18.1	26	54
AUG	31	16.0	21	37
SEP	27	16.7	24	63
oct	30	18.0	23	44
NOV	30	18.3	26	42
DEC	31	20.6	33	47
YEAR	294	18.2	33	63

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GR	OUP FREQUE	NCY DISTRI	BUTION FOR	1977						
POLLUTANT -	TOTAL HYD	ROCARBONS				UNITS - C	,1 PARTS/N	ILLION		
STATION .	C NO 440	10 129	8 REBECCA	ST DAKVIL	LE					
MONTH	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141- 200	201 &OVER	TOTAL	
JAN		DATA UNA	AILABLE							
FEB	0	0	10	o	О	0	0	0	10	
MAR	13	414	246	10	o	0	0	0	683	
APR	13	390	151	39	0	0	o	0	593	
MAY	11	465	231	18	0	0	0	o	725	
JUN	0	551	154	9	О	0	0	0	714	
JUL	9	545	172	16	0	0	0	0	742	
AUG	52	595	84	4	0	0	0	0	735	
SEP	67	447	135	8	1	0	0	0	658	
OCT	0	538	179	7	0	0	0	0	724	
NOV	0	538	160	14	0	О	0	0	712	
DEC	1	391	296	53	0	О	0	0	741	
YEAR	166	4874	1818	178	1	0	o	0	7037	
EPEQUENCY	DISTRIBUTI	ION BY PER	CENTLLES							
THEODERGY	PERCENT OF DATA			FREG	CONCE	NTRATIONS RIBUTION.	PERCENT			ARITH
	VALID	MIN	10	30 5		90	95	98 99	MAX	MEAN
	87.8	2	13.3 1	5,4 16.	8 18.6	23.3	26.5 3	1.3 34.6	63	18.2

POLLUTANT . TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	STA	TION	- SE	NO 5	51001	N	CDONA	LD GD	N RIC	EAU/	VURTE	MBURG	ST.C	TTAWA		MONT	IH - A	AN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	IEAN
1	18	1.8	18	18	18	18	18	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	26	33	34	32	32	25	21
3	30	29	26	25	23	21	20	23	24	24	22	21	22	23	23	22	23	22	22	23	23	22	22	22	23
4	19	20	20	20	19	19	20	21	22	22	21	20	20	19	19	20	21	21	21	21	21	21	23	21	20
5	20	19	19	19	19	19	19	20	21	21	21	20			****	20	22	24	20	20	19	20	21	21	20
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7	20	20	20	1.9	19	19	20	21	21	22	22	21	21	21	21	21	21	22	24	23	21	21	21	21	21
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11	20	19	19	19	20	20	20	20	20	20	20	20			20	20	21	20	19	20	20	20	20	21	20
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19	20	20	20	20	19	19	19	21	21	20	20	20	****	****		22	22	21	21	20	19	23	22	22	21
20	21	20	20	20	20	20	20	20	22	21	21	21	21	21	21	21	21	21	22		22			7.5	
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23	22	22	23	23	23	23	23	23	23	23	23	22	22	22	22	22	23	23	24	24	24	24	27 27	29 27	25
24	28	25	24	24	24	23	23	24	24	25	24	24	24	24	24	24	24 28	25 33	26 36	26 35	27 32	29	28	28	27
25	25	25	24	24	24	24	24	25	25	25	25	25	26 20	25	26	27 20	21	21	25	27	24	22	22	21	22
26	27	25	25	23	22	22	21	21	22	22	22		20	20	20 19	20	21	21	20	21	21	21	21	21	21
27	21	21	24	24	21	20	22	20	21 32	20 28	28	20 23	20		21	21	21	23	23	21	21	20	20	20	22
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29	20	20	20	20	20	20	19	19	19	20	20	19	19			19	19	20	20	19	20	20	19	20	20
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31	20	20	20	20	20	20	20	20	21	21	21	21	21	21	21	23	24	23	21	21	21	21	****	****	21
MEAN	22	21	21	21	21	21	21	22	23	23	22	22	21	21	21	21	22	22	23	23	22	22	22	22	21.8

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

	ST	ATION	- 5	E NO	51001	ľ	WCDON	ALD C	SDN RI	DEAU,	WURTE	MBURG	ST.	AWATTO	<b>X</b>	MON	ΥH -	FEB	77						
HOUR DAY		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1		****		****			***	****		****		****			2	19	20	20	21	22	22	21	22	22	
2	22	23	23	23	22	22	23	22	23	22	22	22	21	21	20	21	22	25	25	23	23	23	22	23	22
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9	24	23	23	23	24	24	24	24	24	25	25	25	26	26	26	25	26	26	27	26	25	25	24	24	25
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1.1	34	29	26	26	25	25	26	27	29	27	27	27	27	28	28	32	34	32	35	34	29	26	25	25	28
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MEAN	24	24	23	23	22	22	22	23	24	23	23	23	22	22	22	22	23	23	23	24	24	24	23	24	23.0

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

	STA	ATION	. 51	NO.	51001		MCDONA	N D GI	119 NC	OF ALL	/WURTE	MAURO	STO	TTAWA	i	MON	NTH -	MAR	77						
12.1																	17			1202	-			12/12/	
DAY	1	2	3	4	5	6	,	В	9	10	11	12	13	14	15	16	1.7	18	19	20	21	22	23	24	MEAN
1	19	18	18	18	18	18	18	19	19	18	18	18	19	18	18					17	1.1	1.1	1.1	11	17
2	21	21	21	21	21	21	21	22	21	22	22	21	20	20	20	20	20	20	21	21	21	22	21	21	21
3	21	21	21	21	21	21	21	22	22	22	22	22	21	20	20	20	21	22	23	25	26	33	33	28	23
4	22	22	22	22	22	21	22	22	22	22	17	17	• • • •	• • • •	18	18	18	18	19	19	19	19	20	21	20
5	19	19	20	19	19	19	19	18	19	19	19	19	19	19	19	19	19	20	20	19	19	19	18	18	19
6	17	17	1.7	17	17	18	18	18	18	18	18	18	18	17	17	18	18	18	18	19	18	19	19	19	18
7	18	18	18	18	18	18	18	19	19	18	19	18	18	18	19	19	18	18	18	19	19	21	20	19	19
8	19	18	18	18	18	18	19	19	22	21	20	20	19	20	19	19	20	21	21	21	21	20	22	24	20
9	22	21	22	21	22	24	32	28	27	25	• • • •		23	23	23	23	23	23	23	23	23	23	23	23	24
10	22	22	22	22	22	23	25	24	23	22	22	22	22	23	23	24	25	27	29	30	31	41	38	32	26
11	31	30	30	25	26	31	27	29	31	26	29	28	25	25	25	25	25	27	27	28	27	25	27	30	27
12	25	26	24	25	23	23	25	24	24	24	23	23	23	23	23	24	26	31	42	34	29	26	25	25	26
13	24	24	24	24	23	24	25	25	24	23	22	22	22	22	22	22	22	22	22	22	22	25	24	22	23
14	23	22	22	22	22	22	21	22	23	23	22	22	22	22	23	22	23	23	23	22	21	22	22	24	22
15	23	25	23	21	21	22	24	23	24	24	22	23	25	24	23	23	23	23	23	30	47	27	22	22	24
16	21	21	22	22	22	22	22	24	24	24	23	••••	20	19	20	20			• • • •	21	21	21	21	21	22
17	21	21	21	21	21	21	21	21	21	21	21	21	20	21	21	20	20	21	21	22	23	24	25	24	21
18	24	23	23	23	24	23	23	23	22	22	22	• • • •	• • • •	• • • •	21	20	20	20	19	20	19	19	19	19	21
19	19	19	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	21	21	22	22	23	24	26	21
20	25	24	24	27	25	26	29	25	21	21	21	20	20	50	20	20	20	21	21	21	21	21	21	21	22
21	20	20	20	20	20	20	20	21	21	20	20	20	20	20	21	21	21	21	21	21	21	22	21	21	21
22	20	20	20	20	20	20	20	20	21	20		20	20	20	20	20 16		17	20	20	20	20	19	19	20 19
23	19	19	19	19	19	19	19	21	21	17	21	17	17 16	16	16 16	16			19	19	20	16	16	16	17
24 25	19	23	24	17	18	17	16	17	17	16	16	16	17	17	17	17			16	16 18	16	17	17	17	17
26	16	17	16	16	16	17	18	18	18	17	17	17	17	17	17	17			18	18	18	19	19	23	18
27	17	18	21	21	21	21	24	23	19	20		19	18	18	18	19			20	21	21	21	20	19	21
28	19	18	18	19	18	19	20	20	19	18	18	18				19			20	22	22	22	20	19	19
29	19	20	19	18	18	19	20	20	21	21	19	18	19	18	19	19			20	21	21	21	21	23	20
30	24	19	19	19	19	20	21	22	21	21	20	19	18	18	19	22			19	21	17	17	17	18	20
31	16	16	16	16	16	16	17	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	16
MEAN	21	21	21	20	20	21	21	21	21	21	20	20	20	20	20	20	20	21	21	22	22	22	21	21	20.8
WENN	21	21	21	20	20	- 4	2.5	21	2.1	•	20	20		20	20					22	4.4		-		20.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 2.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

	POI	LUTA	٠T - '	TOTAL	L HYDRO	CARB	ONS							UNITS	6 - 0.	1 PAR	TS/MI	LLION							
	STA	TION	· s	E NO	51001		MCDON	LD C	GDN RI	DEAU/	WURTE	MBURG	51,0	TTAWA	Δ.	MON	тн - ,	APR	77						
HOUR	1	2	3	4	5	6	7	ક	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	17	17	16	16	17	17	17	17	17	17	17	17	17	21	20	18	18	18	23	22	20	19	19	18
2	18	34	28	24	20	19	19	19	19	19	18	19	20	20	19	19	19	18	18	18	18	18	18	18	20
3	18	17	17	18	17	16	16	16	16	16	16	16	17	17	17	17	17	17	17	18	18	18	18	18	17
4	18	18	18	18	18	18	18	18	19	18	17	17	17			19	18	19	20	18	18	18	18	18	18
5	19	19	18	18	18	17	17	18	18	19	17	18	20	21	22	21	18	16	18	17	17	16	16	16	18
6	15	16	16	16	16	17	17	17	17	17	17	17	17	17	16	16	17	17	17	17	17	17	18	18	17
7	18	17	17	17	18	19	19	19	18	18	18	18	17	18	18	18	18	18	19	21	21	19	19	18	18
8	18	18	18	17	17	18	18	18	18	18	18	18	17	17	17	18	18	18	18	18	18	18	19	19	18
9	19	19	19	19	19	19	19	20	19	18	18	18	18	17	17	1.7	17	17	18	19	19	19	19	20	18
10	19	21	22	21	21	20	19	20	21	19	18	18	17	18	18	18	18	18	20	22	19	20	21	31	20
1.1	22	20	19	18	19	19	19	19	19	19	19	19	17	••••	18	18	18	18	18	18	19	18	17	17	19
12	18	19	19	18	18	19	19	19	18	18	18	18	17	18	18	18	18	18	19	21	21	28	28	21	19
13	21	21	22	20	20	20	38	27	20	22	26	24	20	18	18	18	18	18	18	18	18	18	18	19	21
14	18	18	18	18	17	17	18	17	18	18	18	18	17	18	18	18	18	18	18	18	18	19	19	19	18
15	18	18	18	18	18	21	20	19	18	18	18			17	17	17	17	17	17	19	18	18	18	18	18
16	19	18	18	18	18	18	17	17	17	17	17	17	17	17	17	18	18	19	19	19	19	19	19	19	18
1.7	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	19	20	23	19	18
18	19	19	20	18	18	18	19	23	22	22	18	17	18	18	18	18	18	18	18	23	20	20	19	19	19
19	20	21	21	22	21	21	21	22	20	21	22	20	20	20	19	19	20	20	20	31	28	27	27	23	22
20	22	19	20	20	19	20	20	22	24	21	20	20	21	19	19	20	21	21	21	••••	23	24	28	23	21
21	24	22	21	22	20	20	20	21	21	20	20	20	22	20	20	20	20	21	21	21	21	21	21	20	21
22	19	21	21	20	19	19	19	20	21	21	21	20	22	20	20	20	19	19	19	19	19	19	18	18	20
23	18	18	18	18	18	18	19	18	18	18	18	18	18	18	19	18	18	19	19	19	19	18	19	19	18
24	19	18	18	18	18	18	19	19	19	18	18	18	16	18	18	17	18	17	1.7	17	17	17	17	17	18
25	17	17	17	17	17	17	17	18	18	17	17	17	18	18	18	18	18	19	18	18	19	19	19	20	18
26	19	25	17	17	17	18	18	21	22	20	18	17	17	17	17	18	18	17	18	18	18	18	18	18	18
27	19	19	19	19	20	20	19	21	20	19			100		-					100	-				
28	17	17	16	16		17	18	18		18	26	19	18	19	18	18	18	18	18	18	18	19	20	20	18
29	20	19	20	19		19	19	18	18	18	17	17	16	17	17	17	17	17	17	19	18	17	17	17	18
30	18	17	18	18		18	18	18		18	18	18	18	18	18	18	19	19	19	19	19	19	20	20	18
MEAN	19	19	19	19	18	18	19	19	19	19	19	18	18	18	18	18	18	18	18	19	19	19	20	19	18.7

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 1.1

- NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. "." INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA UNAVAILABLE - 1.7

UNITS - 0.1 PARTS/MILLION

	ST	ATION	· 58	NO.	51001		MCDON	ALD G	DN RI	DE AU,	/WURTE	EMBURG	ST.	OTTAWA	4	MON	ITH -	JUL	77						
DAY	î	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	22	21	20	21	21	20	20	20	19	19	19	19	19	19	21	20	20			140				
2	19	19	19	21	19	19	19	19	19	19	19	19	19	19	19	20	19	19	19	21	21	21	21	21	20
3	21	21	21	20	20	20	20	20	19	20	20	19	20	20	19	19	19	20	20	19	20	21	21	21	19
4	21	22	21	21	22	25	24	23	23	21	21	21	20	20	20	20	20	20	21	20	21	21	22	21	20
5	22	22	22	22	22	22	21	21	21	21	19	19	19		20	19	19	19	20	22	24	24	26	25	22
6	21	21	21	21	21	21	21	21	21	21	21	22	21	20	20	19	18	18	19	19	21	21	21	21	21
7	21	21	21	20	20	20	19	19	19	18	18	19	19	19	19	19	19	19	20		21	22	23	24	21
8	21	20	20	20	21	21	20	20	20	19	20	21	20	20	20	20	21	21	21	20	21	21	21	21	20
9	21	21	20	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	21	22	22	20	21
10	21	21	20	20	20	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	21	19
																		20	20	20	20	21	26	25	20
11	25	22	21	21	21	21	21	21	21	20	19	18	19	19	19	20	20	19	31	21	19	21	31	-0	-
12	21	20	19	19	19	20	21	21	21	21	22	23	21	20	21	23	25	25	22	23	30	28	24	30 26	22
13	24	20	19	19	19	19	20	21	20	20	19	23		18	18	18	18	18	18	19	20	19	19	19	22
14	19	19	19	19	19	20	21	21	19	19	19	19	19	19	18	18	19	18	19	24	26	28	30	27	19 21
15	22	21	21	21	24	23	23	24	23	22	21	20						27	23	23	23	26	28	27	
16	30	30	33	28	28	26	24	23	22	23	23	24	22	21	21	20	20	20	20	21	22	23	22	23	23
17	23	23	22	23	23	23	23	24	23	22	21	21	20	20	20	20	24	23	22	23	27	25	25	24	24
18	23	25	25	22	21	21	21	22	21	21	21	21	20	19	20	20	20	21	21	23	23	23	24	23	23
19	23	23	23	22	22	22	24	23		21	21	21	22	22	22	22	23	23	23	24	24	24	24	23	23
20	22	22	22	22	23	23	23	24	24	24	23	24	23	23	23	24	25	26	26	24	24	24	24	23	24
21	24	24	23	24	24	23	23	23	23	22	22	22	22	22	22	22	22	22	21	21	21	22	22		
22	22	22	22	22	22	22	22	22	21	21	21		22	22	22	22	21	21	20	20	21	21	22	22	22
23	21	22	22	22	22	22	23	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22
24	21	21	22	22	22	21	22	22	22	22	22	22	22	22	23	22	23	22	22	22	22	21	21	21	21
25	21	21	21	21	22	21	22	22	21	20	20	19	20	20	20	19	19	19	20	20	19	20	20	20	22 20
26	19	19	19	18	1.7	17	17	18	18	18		121	21	20	20	20	20	20	20	20	20	20	20	21	19
27	22	21	21	21	21	21	22	22	22	21	21	21	21	21	21	21	20	21	21	22	22	21	21	20	21
28	22	21	21	22	22	23	23	24	23	22	21	22	22	22	22	22	21	21	22	24	26	26	26	34	
29	31	25	22	21	22	22	24	24	23	23	22	22	23	22	23	23	25	25	25	23	22	23	22	22	23 23
30	22	22	22	21	21	22	22	22	21	21	21	21	21	20	20	20	20	20	19	20	21	21	22	21	21
31	22	21	21	21	21	22	22	22	22	24	22	22	22	22	22	22	21	21	22	21	21	22	22	21	22
MEAN	22	22	21	21	21	21	21	22	21	21	21	21	21	20	20	21	21	21	21	21	22	23	23	23	21.3

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. " \*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - SE NO 51001 MCDONALD GON RIDEAU/WURTEMBURG ST.OTTAWA MONTH - AUG HOUR 23 31 22 21 21 23 \*\*\*\* 24 24 23 \*\*\*\* 30 27 28 28 25 26 33 30 21 24 26 28 22 23 27 27 22 23 24 22 24 22 28 27 24 38 23 28 27 22 25 21 21 23 23 22 23 26 26 28 ···· 24 29 25 29 27 26 24 29 27 25 23 29 27 23 26 24 26 23 24 26 27 23 23 28 27 23 23 27 24 24 31 23 24 31 23 24 28 23 26 30 23 25 22 24 23 27 31 27 DATA INVALID - 30 29 27 27 26 18 \*\*\*\* 26 20 18 12 13 14 15 16 17 18 19 20 DATA INVALID 24 ..... 22 23 24 25 26 27 28 29 30 15 15 16 16 15 16 15 15 15 14 14 15 15 14 17 15 16 15 14 14 15 14 15 17 17 18
15 14 14 14
15 15 15 14
12 \*\*\*
DATA UNAVAILABLE
- DATA UNAVAILABLE -MEAN 23 23 23 23 22 22 23 23 21 21 21 22 22 22 22 22 22 23 23 23 22 22.2

PERCENTAGE OF DATA VALID - 36.2

PERCENTAGE OF DATA INVALID - 39.8

PERCENTAGE OF DATA UNAVAILABLE - 24.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

															- 0.		3/101	LLION							
	ST	MOITA	. 5	E NO	51001		MCDON	ALD G	DN RI	DEAU/	WURT	EMBUR	S ST.	OTTAW	Δ	MON	TH - 1	VOV	77						
DAY	7	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	23	27	24	22	25	29	31	27	28	20	19	18	18	18	19	21	22	26	40	27	200	952		
2	20	19	18	18	19	20	21	24	25	25	20		18	17	17	18	20				61	26	27	21	26
3	17	17	18	18	16	17	19	24	25	19	18		17	17	19	20		21	21	19	19	19	21	19	20
4	19	18	18	17	16	16	17	19	19	19	19					18	18	21	24	23	20	22	21	21	20
5	19	18	19	19	20	22	21	21	20	20	20	20			17			18	19	18	18	19	19	20	18
6	19	18	18	18	19	19	18	19	19	19	19		19	19	20	19	20	21	19	19	19	19	20	19	20
7	18	18	1.7	17	17	17	17	18			18	19	19	18	18	19	19	19	19	20	19	20	20	19	19
8	17	17	1.7	17	17	17	18	18	18	18		18	17	18	18	18	18	17	18	18	17	18	18	18	18
9	18	17	17	17	18	18	19		19	18	19	19	18			18	19	19	20	19	19	19	19	19	18
10	20	20	20	19	20	20	21	20	19	18	17	19	19	20	19	20	20	20	20	21	20	24	20	20	19
	20	20	20	19	20	20	21	21	21	20	20	20	••••	20	21	22	19	17	17	18	18	18	18	17	19
11	17	17	17	17	17	18	19	19	19	19	19	19	18	18	18	18	18	19	19	19	19	19	19	19	18
12	19	19	19	19	19	19	19	20	21	21	21	22	22	21	21	21	22	22	22	23	23	23	23	23	21
13	22	22	22	22	22	22	23	23	23	23	23	23	22	22	22	22	22	22	23	23	23	23	24	24	
14	23	23	22	23	23	23	24	24	24	24	23	23	21	21	21	21	21	22	23	22	22	23	23	23	23
15	22	23	22	23	23	24	25	27	27	25	24	24	24	23	23	24	27	29	31	33	25	22	22		23
16	21	21	21	21	20	21	21	23	25	26	22	21	23		18	19	19	19	20	19				22	25
17	16	19	15	15	17	17	16	18	18	15	13	13	13	14	14	14	16	19	29	29	18	18	18	18	21
18	15	15	15	15	15	15	15	16	16	16	15	15	15	15	15	15	16	16	16		25	22	16	15	17
19	17	17	17	17	17	18	18	18	18	18	18	17	16	17	17	17	18	18		16	16	17	17	17	16
20	20	20	20	21	20	20	20	20	19	19	19	17	17	17	17	18	17	17	18	19	17	17	20 16	20 16	1 B 1 B
21	15	15	15	15	15	15	1.7						797.40										1.0	10	10
22	14	14	15	15	15	16	17	19	19	25	1.7	15	14	14	14	14	14	13	13	14	14	14	14	14	15
23	30	27	22	20	18	19		1.7	17	16	16	15	15	15	15	15	16	17	16	17	17	21	23	24	17
24	15	15	15	15			19	19	19	18	1.7		16	16	16	16	16	16	16	16	16	16	16	17	18
25	14	15	15	15	15	15	15	16	16	14	14	13	13	13	13	13	16	17	15	15	1.3	15	15	14	15
26					15	16	16	18	18	1.8	17	17	17	16	16	15	16	17	16	16	16	16	16	16	16
27	16	16	16	15	15	15	15	14	15	15	15	14	14	14	1.4	14	14	15	15	16	16	16	16	1.7	15
28		18	18	18	19	20	20	21	22	22	23	24	24	24	23	23	23	23	24	33	42	33	27	25	24
	24	24	24	23	23	23	23	24	24	24	24	24	24	24	24	24	24	25	25	26	26	27	29	31	25
29	33	31	32	31	35	48	46	37	37	38	35	41	39	38	37	34	36	40	34	33	33	31	31	30	36
30	29	32	32	29	30	29	28	29	30	31	29	28	29	29	28	28	29	28	28	28	29	29	30	28	29
MEAN	20	20	19	19	19	20	21	21	21	21	20	20	19	19	19	19	20	50	21	22	22	21	21	20	20.2

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	TOTAL	HYDR	OCARB	ONS							UNITS	5 - 0	. 1 PAR	TS/M	ILLION	i.						
	ST	ATION	- 5	E NO	51001		MCDON	ALD G	DN RI	DEAU/	WURT	EMBURG	ST.	OTTAWA	4	MON	TH -	DEC	77						
HOUR DAY	T	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	26	25	25	25	25	24	26	24	24	24	24	25		16	15	20	16					13	13	
2	12	12	12	12	12	13	13	14	14	15	15	16	1.4	14	14	15	15	15	16	16	16	15	15	15	14
3	15	15	15	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	15	15	15	15
5	16	16	17	17	17	17	17	18	17	16	19	17	17	17	17	17	17	18	18	18	18	20	20	19	18
6	19	19	19	19	19	19	20	23	23	21	20	19	20	20	19	19	19	19	19	18	18	17	17	18	19
7	17	17	17	17	17	17	17	20	18	17	17	17	16	16	16	16	16	16	16	16	16	16	15	16	17
8	16 21	16	16	15	16	16	17	1.7	1.8	18	17	18	18	17	18	18	19	19	20	20	20	21	22	23	18
9	22	21	21	22	22	22	24	25	25	24	25	24	23	23	23	23	31	28	26	28	36	24	24	22	24
10	19		24	23	21	21	20	20	21	20	21	21	19	18	18	17	17	17	17	1.8	18	18	18	19	20
10	19	19	19	20	20	20	21	21	21	21	22	22	21	21	21	21	21	22	22	22	22	23	23	23	21
11 12	24	23	23	23	23	23	23	23	23	24	24	25	24	24	24	24	24	25	25	25	26	26	29	30	24
13	28	27	26	26	26	26	37	35	31	27	26	24	23	23	23	24	25	23	23	23	22	22	21	25	26
14	20	20	20	20	20	20	20	21	21	21	21			****			18	18	18	17	17	17	16	16	19
15	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	15	15	15	15	15	17	16	15
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17	15	16 15	16	15	15	15	16	17	18	19	19	18	17	16	17	17	18	20	22	18	16	16	16	15	17
18	18	18	17	17			15	16	18	17	17	16	17	17	16	17	17	18	21	17	17	17	18	18	17
19	16	15	15	15	17	16	16	16	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
20	16	17	17	17	17	17	16	16	16	16	16	16	17	16	17	17	17	17	1.7	17	17	17	17	17	16
20	10	1.6	1.7	17	17	1.7	17	18	18	18	19	••••	••••	••••	15	15	15	15	15	15	14	14	14	14	16
21	16	16	16	16	16	16	16	16	16	16	15	15	15	15	15	15	15	15	15						1000
22	15	15	14	15	14	15	15	16	17	17	17	17	16	17	16		21	21	22	15	15	15	15	16	15
23	16	16	16	16	16	16	16	16	17	18	17	1.7	18	18	19	18	19	18	17	17	16	16	16		17
24	16	16	16	16	17	17	17	18	18	19	19	18	19	18	19	19	19	18	18	20	19	17	17	16 17	17
25	17	15	15	15	19	23	14	13	14	13	13	13	13	13	13	13	13	14	13	14	14	13	14	14	18
26	15	14	14	15	14	14	1.4	15	15	15	16	15	16	15	14	15	15	15	15	15	15	15	15	15	14
27	16	16	17	17	18	17	20	17	18	17	17	17	18	18	17	17	17	17	18	19	21	23	24	25	15
28	21	21	18	19	18	18	1.7	18	18	16	16	16	16			25	25	23	24	24	24	25	25	25	18
29	24	25	23	24	22	22	25	37	29	31	22	22	20	19	19	20	25	37	39	48	29	25	26	26	21
30	24	25	23	24	23	24	25	24	23	23	25		• • • •	22	22	22	21	20	20	20	21	22	24	23	27
31	21	20	19	19	19	19	20	20	21	20	20	19	22	22	20	21	21	22	24	21	21	22	23	22	21
MEAN	18	18	18	18	18	18	19	19	19	19	19	18	18	18	18	18	19	19	19	19	19	19	19	19	18.5

PERCENTAGE OF DATA VALID - 97.7 PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY MONTH - JAN HOUR 24 MEAN DAY 18 19 22 19 19 29 22 21 18 19 22 19 20 19 26 22 21 18 19 22 19 20 19 23 23 20 18 19 22 19 20 19 34 23 19 22 19 19 19 23 25 20 18 20 22 21 20 20 24 22 21 18 21 21 21 21 21 23 23 23 18 22 21 22 21 21 22 23 21 18 21 21 21 22 21 23 23 21 18 21 21 22 23 23 23 20 22 21 23 21 24 23 20 21 22 22 20 22 24 24 24 20 23 22 24 21 22 24 25 20 20 22 21 20 21 24 25 20 22 21 30 20 23 22 26 20 22 21 29 19 22 25 20 20 21 24 20 22 25 24 21 3 4 5 6 7 8 9 19 22 20 23 19 42 23 22 19 22 20 22 18 34 23 21 22 22 21 22 21 23 24 20 22 20 32 20 24 21 27 20 22 20 36 20 23 21 26 20 22 21 36 19 22 21 27 20 22 19 30 19 37 21 22 20 22 20 36 19 35 21 23 20 12 13 14 15 16 17 18 19 20 19 ...21 19 19 21 19 20 27 19 20 19 20 19 20 19 19 19 19 20 19 20 19 20 19 19 19 19 20 19 19 19 20 19 21 19 19 19 21 19 21 19 19 19 24 20 21 19 19 20 19 20 28 21 21 19 19 19 20 20 20 25 20 21 19 19 20 21 20 24 21 20 19 19 19 19 24 22 20 19 19 20 20 18 22 22 20 19 20 19 20 20 19 23 22 20 21 19 19 21 41 19 24 22 20 19 19 19 21 44 24 24 21 19 21 19 22 30 22 22 20 20 20 22 19 23 24 21 21 20 20 20 22 19 21 21 21 20 19 22 19 20 20 20 21 20 19 21 19 20 19 19 20 21 20 19 21 19 22 19 19 21 20 19 28 19 20 19 22 21 20 19 20 20 20 20 22 20 21 20 19 23 19 20 19 20 19 18 21 19 19 20 20 20 22 23 24 25 26 27 28 29 30 21 34 26 24 22 19 18 18 21 27 25 26 22 20 19 18 21 31 25 25 21 20 19 18 18 21 37 26 21 22 19 19 18 21 32 25 22 22 19 19 18 23 26 21 22 20 19 18 18 23 25 27 21 23 19 20 18 18 22 25 26 21 24 20 23 18 22 24 26 27 20 27 18 18 22 24 27 23 23 20 26 17 18 24 26 24 20 21 17 25 26 22 23 20 18 18 24 26 23 23 20 19 18 25 25 25 23 20 22 17 24 26 23 23 27 25 29 22 26 25 21 18 18 26 24 28 22 26 22 21 18 24 25 27 21 23 20 20 18 18 25 24 27 21 23 19 18 18 26 24 27 21 22 19 24 24 27 21 24 19 18 25 25 27 21 21 18 17 18 26 24 26 21 21 19 17 23 26 27 23 23 20 20 18 18 24 28 27 23 20 23 17 18 18 19 .... MEAN 21.2

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY MONTH - FEB HOUR 24 MEAN 22 18 17 21 20 21 21 22 22 22 17 16 22 21 21 21 22 22 22 18 18 20 19 21 25 26 23 19 18 21 20 21 25 23 23 17 19 21 20 21 25 22 24 2 3 4 5 6 7 8 9 22 17 16 21 20 21 22 22 23 24 19 18 21 19 22 25 22 27 18 21 20 21 25 22 24 22 16 21 22 20 21 23 23 25 15 23 21 20 22 24 22 24 15 25 20 23 24 22 25 18 15 25 21 20 24 25 22 26 18 14 22 20 25 24 22 25 19 14 20 22 20 23 24 22 23 18 15 20 21 20 22 24 23 23 18 14 20 22 21 25 24 22 24 18 14 20 21 20 22 23 23 23 17 14 20 21 20 21 23 22 23 16 19 21 20 22 24 22 24 16 18 24 19 21 24 16 17 20 22 21 22 22 22 23 16 16 20 21 24 22 22 17 17 20 19 21 24 21 22 21 20 23 23 24 21 20 21 23 23 24 12 13 14 15 16 17 18 19 23 20 19 20 23 23 23 19 20 23 20 20 19 22 23 23 19 20 23 20 18 19 22 24 22 19 20 23 19 18 19 21 27 22 19 20 19 19 20 20 26 23 19 24 19 19 20 20 26 23 19 25 20 19 20 20 32 24 20 19 23 21 19 21 22 24 23 20 20 23 19 18 19 20 24 22 19 23 19 18 19 21 25 21 19 22 19 18 20 21 26 23 19 25 22 19 21 19 27 25 20 19 24 23 19 20 20 24 25 20 19 24 22 19 22 20 23 23 20 19 25 23 21 21 22 21 24 23 19 25 21 21 22 21 25 25 20 25 23 20 21 24 22 26 22 21 23 19 22 21 24 23 20 19 25 24 20 22 27 23 26 21 20 22 23 20 22 27 22 24 21 20 20 22 24 23 21 20 20 21 23 19 22 23 22 21 20 21 21 22 19 23 22 20 20 19 20 20 21 25 24 23 20 20 20 21 24 24 23 19 20 20 22 23 24 25 26 27 20 19 19 20 19 20 19 18 20 19 24 20 19 18 19 19 20 20 20 20 21 19 19 18 20 20 19 18 19 20 19 18 19 20 20 20 20 20 19 20 20 20 19 20 20 19 20 20 20 19 20 19 19 20 20 21 19 20 20 19 21 21 19 20 20 19 21 19 19 20 19 21 19 21 20 21 19 21 20 19 21 20 24 19 21 20 19 20 19 20 19 22 19 19 19 19 22 19 19 19 19 19 22 19 19 19 19 19 22 19 19 20 19 22 19 19 19 20 19 23 19 19 20 19 21 21 20 19 18 19 20 20 25 19 21 19 MEAN 20.3

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

	5	TATIO	N - N	E NO	7701	6	ASH :	ST WA	TER T	ANK,	SUDB	JRY				MO	NTH -	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	19	18	18	18	17	18	18	18	18	18	18	18	18	18	19	19	19			.32		.12		
2	17	17	17	17	17	17	18	18	19	18	18	18	18	****	19			18	18	18	18	18	17	19	18
3	18	18	18	18	18	18	18	18	19	19	19	18	19	20	20	20			19	19	18	18	1B	18	18
4	20	22	24	23	19	23	21	22	20	18		18	19	19	19			19	20	19	19	19	19	19	19
5	19	19	24	24	23	23	22	20	19	19		19	19	19	19			19	18	18	19	20	18	18	20
6	18	18	18	18	18	18	18	18	18	18		18	18	18	18	18		18		19	18	18	18	18	20
7	18	18	18	18	18	18	18	19	19	20	19	19	18	19	19	19		19	18	18	18	18	18	18	18
В	18	19	18	18	18	18	18	1.8	18	18	18	18	18	18	18	18		18	19	19	19	19	18	18	19
9	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	18		18	18	18	19	19	19	19	18
10	17	17	17	17	17	17	17	17	17	17	17	17	17	17	19	19			17	17	17	17	17	17	17
								1000			1.6	3.6	1.7	1.7	19	19	18	18	18	18	18	18	18	19	18
11	19	18	17	17	17	1.7	17	19	19	1.8	18	18	21	20	20	21	20	20	18						
12	17	17	1.7	17	18	1.8	17	17	18	18	18	18	19	19	19			19	19	18	18	18	18	17	19
1.3	17	17	1.7	17	17	17	17	17	17	18	18	18	17	19	19	20	20	19	18	18	18		17	17	18
14	18	18	17	17	19	21	17	18	17	18	17	17	18	18	19	19	20	20	19		18	20	19	18	18
15	20	22	23	21	21	20	20	19	19	18	18	18	18	19	19	20		20	19	19	19	20	19	19	18
16	18	18	18	18	19	19	18	18	19	19	19	19	19					20	19	19	18	18	18	18	19
17								1000		3.50	2.00		2000	INVA	LID -		0.00	200						***	
18												15	16	17	16	17	16	16		77.70	Paner.		200	1000	
19	19	17	15	15	15	18	20	19	16	15	16	14	14	15	14	15	15	14	16	16	18	20	21	21	
20												20	19	19	19	20		19	19		••••	••••		****	16
														13	. ( 3	20	13	19	19	20	21	22	23	21	
21	20	19	19	20	19	19	19	19	20	19	20	20	20	20	21	21	21	20	19	19	19	20	20	20	20
22	22	22	22	21	21	20	20	19	20	20	21	20	20	21	21	21	21	20	20	20	20	20	19	19	20
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24	19	20	20	19	19	20	22	20	20	20	19	19	20	21	20	20	20	19	19	19	19	18	18	18	20
25	20	19	19	19	19	20	19	19	20	19	19	19	20	21	21	23	22	21	20	21	21	20	20	19	20
26	19	19	18	18	19	18	19	19	21	19	19	19	21	24	22	23	24	22	20	19	19	19	19	18	20
27	17	17	18	18	18	18	18	18	18	26	26	25	23	23	22	24									21
28													DATA	INVA	LID -										2.
29													DATA	INVA	LID -										
30	••••	••••	••••	••••	••••		••••	••••		••••	• • • •	••••	• • • •	• • • •	18	18	17	16	16	15	15	14	15	15	
31	15	16	16	15	17	18	22	18	18	18	17	18	19	20	21	23	22	24	31	42	53	66	75	62	28
MEAN	18	18	19	18	18	19	19	19	19	19	19	18	19	19	19	20	19	19	19	19	20	21	21	20	19.1
																					20			20	19.1

PERCENTAGE OF DATA VALID - 81.9 PERCENTAGE OF DATA INVALID - 18.1

PERCENTAGE OF DATA UNAVAILABLE - C.O.

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	DLLUTA	NT -	TOTAL	HYD	ROCAR	BONS							UNITS	- 0	1 PA	RTS/M	ILLION	i						
	S	TATION	· NE	NO	7701	6	ASH S	AW To	TER T	ANK.	SUDBU	RY				MON	NTH -	JUN	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	31	34	30	15	17	18	19	18	19	19	18	19	18		20	20	20	20	20	20					
2	19	19	19	19	19	19	19	19	19	19	19	19	19	21	20	20	20	20	20	19	19	19	19	18	20
3	19	20	19	20	20	19	19	19	20	20	20	20	20	19	23	20	19	19	19	18		19	19	19	19
4	18	18	18	1.8	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		18	18	18	18	19
5	17	17	17	17	18	18	18	17	17	17	18	17	17	18	18	18	18	18	18	18	18	18	17	17	18
6	17	17	17	17	17	17	17	17	19	17	17	18	18	18	18	18	18	18	18	18	18	18	17	17	18
7	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18 17	17	17	17	17	17
8	17	17	17	1.7	17	17	17	17	17	17	1.7	17	20	18	18	18	18	18	18	18	17	17	17	17	17
9	17	17	17	1.7	17	17	18	18	18	18	1.8	19	22	24	20	21	20	20	21		18	18	18	18	18
10	21	23	21	22	21	21	21	20	20	19	19	18	19	20	20	21	21	20		21	20	19	19	19	19
							-	•				10	13	20	20	21	21	20	19	19	18	18	18	18	20
11	17	17	18	18	18	18	17	17	17	17	17	17	18	18	18	19	18	18	18	17	18	18	18	18	18
12	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	17	18	18	19	18	17
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14	19	20	19	19	19	19	19	19	26	19	19	19	20	21	22	22	22	20	20	21	21	21	21	20	20
15	19	20	20	19	19	20	20	22	20	19	19	19	20	24	23	23	23	23	21	20	20	19	19	19	20
16	20	20	21	19	19	19	20	20	19	21	21	21	20	20	20	20	20	20	21	21	21	20	20	19	20
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18													DATA	INVAL	ID -									A	
19													DATA	INVAL	ID -										
20	••••	••••	• • • •	••••	••••		****	****	••••	••••	21	20	19	19	19	19	20	19	19	19	18	18	18	18	
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23	18	18	18	19	19	19	19	19	19	18	18	18	18		18	18	18	18	18	18	18	18	18	18	18
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28	18	18	19	18	18	18	19	19	19	20	20	20	19	19	19	19	18	18	18	18				20	18
29	16	16	15	14	14	14	14	14	14	14	14	14	16	15	15	15	15	14	14	14	17	17	16	16	18
30	13	13	13	13	14	15	15	15	17	17	17	17	18	18	18	18	19	20	21	18	14	14	14	14	14
MEAN	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	18	18	18	18	18	18.3

PERCENTAGE OF DATA VALID - 90.3 PERCENTAGE OF DATA INVALID - 9.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.1 PARTS/MILLION

	S	TATION	. NE	NO	77016	Š	Δ5H 9	ST WA	TER T	ANK.	SUDB	URY				MON	ith -	SEP	77						
HOUR DAY	3.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	21	21	20	20	21	21	24	27	30		26	23	24	24	25	27	30	32	33	32	28	27	26	25
2	26	26	24	24	25	24	23	24	25	25	23	25	29	26	31	29	28	25	26	28	29	27	28	30	26
3	30	27	24	23	23	23	23	23	24	25	25	25	25	27	29	32	33	34	33	33	32	29	29	27	27
4	27	27	26	25	27	27	26	24	23	22	21	21	21	22	22	22	22	22	22	22	23	24	23	23	24
5	25	27	29	28	27	27	29	29	27	25	24	25	27	27	28	27	26	27	27	27	27	27	28	28	27
6	29	28	28	29	28	28	29	29	30																
7													DATA	INVA	LID -										
8	• • • •			• • • •		••••		• • • •				22	23	24	26	30	26	26	25	25	23	22	22	22	
9	22	22	22	22	21	21	21	21	19	• • • •	21	22	22	22	22	22	23	25	23	24	26	25	23	22	22
10	23	23	22	23	24	25	25	26	27	26	23	23	22	23	23	23	24	25	27	27	28	27	27	29	25
11	29	29	29	29	29	30	30	30	29	28	29	29	29	32	32	33	32	29	27	29	27	26	26	26	••
12	26	26	25	24	24	24	27	30		29		26	29	31	23	22	27	28	23	28	28	26	24	26	29
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PERCENTAGE OF DATA VALID - 91.5

PERCENTAGE OF DATA INVALID - 8.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY MONTH - OCT 77 HOUR 24 MEAN 2 3 4 5 6 7 8 9 27 25 25 28 27 26 27 22 27 25 28 22 26 .... 28 23 27 26 25 29 25 27 28 25 28 26 27 25 25 26 25 27 24 25 27 24 26 27 25 26 27 25 26 27 26 26 26 27 27 23 29 26 26 29 27 27 27 26 25 28 25 25 29 25 26 22 28 21 21 21 29 21 21 24 29 21 22 21 23 23 19 21 21 28 21 22 23 22 21 24 20 22 19 21 21 22 22 21 22 22 21 21 21 21 20 22 21 20 24 20 21 24 27 21 21 23 22 21 22 21 20 22 21 19 21 21 21 21 21 24 12 13 14 15 16 17 18 19 20 19 27 25 32 24 26 26 26 34 19 28 25 33 24 25 30 26 35 19 27 25 35 23 26 22 29 31 26 27 26 25 22 24 26 25 26 22 27 24 30 36 24 21 24 23 27 25 26 23 24 21 24 23 25 25 25 24 21 23 22 28 25 25 23 21 29 23 24 23 29 25 27 25 21 27 27 23 23 28 26 31 25 22 27 25 23 23 30 27 32 25 21 27 25 23 24 30 27 33 25 23 24 24 23 25 25 26 35 23 24 22 24 23 25 24 26 31 22 25 22 24 23 26 23 27 28 22 25 23 25 23 26 24 26 27 23 27 23 26 23 26 26 25 29 23 23 26 25 27 24 27 25 29 28 26 25 33 24 26 23 26 32 27 25 37 23 27 22 28 29 27 29 47 23 26 22 27 31 26 26 35 22 27 23 29 35 26 25 22 29 24 40 38 26 21 24 23 27 24 28 25 23 30 24 26 27 25 35 22 27 36 22 23 24 25 26 27 28 29 26 24 33 28 26 24 33 31 23 25 26 29 26 24 31 28 25 26 29 31 23 25 25 25 27 29 22 23 26 31 25 25 32 27 22 23 26 26 30 30 22 24 26 25 26 43 30 22 25 27 25 26 41 31 23 32 29 29 24 26 28 24 23 28 26 23 22 29 24 23 28 25 23 21 29 24 23 23 23 25 24 24 21 28 23 22 24 24 23 24 23 22 27 23 25 25 25 23 21 25 27 23 23 28 25 28 27 24 22 27 26 24 31 26 33 28 24 22 24 24 27 32 26 32 27 25 21 28 27 25 32 25 25 24 24 25 27 27 31 27 23 23 25 25 26 25 23 24 23 26 25 36 24 26 23 24 24 27 24 27 24 25 29 27 24 25 26 29 31 24 33 29 24 25 26 28 31 25 26 29 26 23 25 27 29 27 24 26 34 27 24 26 34 29 30 25 23 .... MEAN 25.3

PERCENTAGE OF DATA VALID - 95.0

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 3.2

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION

				DOM: ACCOMMEN
STATION - NE	NO 77016	ASH ST WATER TANK,	SUDBURY	

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	21.2	27	44
FEB	28	20.9	25	35
MAR	31	22.2	30	55
APR	27	19.0	24	45
MAY	24	19.1	28	75
JUN	26	18.3	20	34
JUL	27	18.8	26	34
AUG	29	23.1	26	59
SEP	27	25.4	30	36
OCT	29	25.3	29	47
NOV	24	26.0	32	57
DEC	18	28.8	37	42
YEAR	321	22.2	37	75

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - TOTAL HYDROCARBONS UNITS - 0.1 PARTS/MILLION													
POLLUTANT - TOT	AL HYDROC	ARBONS				UNITS - 0.	1 PARTS/MI	LLION					
STATION - NE	NO 77016	ASH S	T WATER	TANK, S	UDBURY								
MONTH OD	TO 10 11	TO 19 2	0 то зо	31 TO 6	60 61 TO 90	91 - 140	141- 200	20160VER	TOTAL				
JAN	0	254	464	1	5 0	D	0	0	733				
FEB	0	203	462		2 0	O	0	0	667				
MAR	0	197	510	3	16 0	0	0	0	743				
APR	0	507	147		4 0	0	0	0	658				
MAY	0	454	149		3 3	O	0	D	609				
JUN	0	521	127		2 0	0	0	0	650				
JUL	0	493	178	1	3 0	o	D	0	684				
AUG	0	81	628		5 0	0	0	0	714				
SEP	0	4	600	5	is o	0	0	0	659				
OCT	0	12	636	5	9 0	. 0	0	0	707				
NOV	0	19	507	7	2 0	0	0	0	598				
DEC	0	0	299	14	5 0	0	0	0	444				
YEAR	0	2745	4707	41	1 3	0	0	0	7866				

FREQUENCY	DISTRIBUT	ION BY P	ERCENTILE	s								
	PERCENT OF DATA						TRATIONS					
	VALID	MIN	10	30	50	70 70	90	PERCENT 95	98	99	MAX	ARITH MEAN
	89.8	13	17.2	18 7	20.5	23 2	27 4	20.3	24.0	20.0		

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	STA	ATION	- SW	NO	10001	(	COLLEC	SE OF	AGRIC	CUTUR	AL TE	сн, н	URON	PARK		MON	TH -	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													TA UN												
2													TA UN			¥									
3												- D4	TA UN		ABLE	*									
4	(*)	-	36	-	545	100	-	34.5	24	24	26	29	35	41	42	42	41	39	30	27	24	22	21	22	31
5	18	15	14	14	11	7	7	9	9	1.1	13	18	30	42	54	71	78	102	81	62	59	58	53	55	37
6	52	44	47	45	44	42	42	44	46	49	53	55	59	62	64	67	61	53	46	41	36	25	28	26	47
7	23	20	16	14	18	19	24	30	36	40	42	42	41	43	46	47	47	47	40	32	27	3.4	26	32	33
8	32	21	21	24	24	23	23	23	39	46	47	47	43	42	40	38	36	32	31	30	30	32	31	30	33
9	26	26	26	26	26	26	27	30	32	34	36	37	36	36	36	36	36	36	34	32	30	26	26	24	31
10	21	19	18	50	20	20	28	33	38	44	46	44	46	47	47	50	50	53	51	40	34	31	29	26	36
11	19	18	20	21	28	21	25	39	42	46	49	51	54	53	54	55	57	55	51	42	20	14	12	18	36
12	22	24	28	26	32	36	38	40	44	63	64	59	53	51	59	65	72	71	65	38	44	47	57	65	48
13	63	62	59	57	53	49	47	53	53	46	41	44	49	52	47	39	40	40	32	17	23	18	10	6	42
14	5	14	22	24	21	17	26	35	41	46	49	53	50	51	51	51	55	55	44	33	24	1.6	20	24	34
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15	24	26	14	25	28	26	29	47	59	70	71	73	69	60	56	77	76	78	85	61	60	55	57	53	53
17	55	64	61	52	46	33	34	41	72	90	93	101	103	3943	106	124	132	137	134	111	105	81	73	55	83
18	49	47	39	51	51	44	38	40	44	51	63	71	70	73	68	66	63	66	68	63	43	32	32	32	53
19	34	33	27	30	30	24	23	23	24	24	34	49	47	47	52	51	55	55	53	47	21	19	14	17	35
20	20	20	18	14	18	23	24	29	42	50	61	78	90	97	102	107	106	107	97	83	63	59	49	47	59
21	55	57	51	62	64	44	45	48	60	83	96	99	107	104	102	95	89	96	106	101	91	84	83	80	79
22	79	72	66	55	43	37	28	33	44	57	68	77	90	91	92	90	86	86	86	77	74	72	70	66	68
23	63	58	55	41	39	37	33	33	34	40	50	58	71	68	67	66	70	70	69	63	55	40	34	34	52
24	44	57	55	54	51	48	48	49	53	63	76	84	90	87	72	70	66	70	68	64	66	68	40	18	61
25	20	19	15	13	14	14	23	37	48	52	56	50	48	43	45	35	33	33	32	36	37	30	23	15	32
26	14	15	13	16	16	13	21	31	38	44	48	52	55	54	52	52	48	47	41	35	32	20	24	21	33
27	21	23	25	19	14	12	14	43	58	60	64	70	70	65	62	65	65	66	62	51	41	32	12	8	43
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29	44	43	43	43	39	38	37	37	38	38	37	37	37	37	38	41	43	45	46	41	39	34	29	30	39
30	30	30	25	24	22	28	30	37	43	48	54	59	65	68	78	90	92	72	58	51	54	50	42	38	50
31	39	39	39	41	41	42	39	40	51	58	74	86	88	99	106	108	110	115	120	104	94	89	72	63	73
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PERCENTAGE OF DATA VALID - 89.1 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 10.9

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - STATION - SW NO 10001 COLLEGE OF AGRICUTURAL TECH, HURON PARK														RTS/B	ILLIO	N							
	STA	TION	- SW	NO	10001		COLLEC	SE OF	AGRIC	UTURA	L TE	сн, н	URON	PARK		Mon	тн - ,	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9 0	55 42 6 12 71 22 31 19 26 9	48 38 4 14 64 21 30 18 28	45 32 4 16 56 22 29 19 28	37 21 3 21 46 23 28 15 29	29 19 5 24 39 23 28 14 28	26 21 1 21 40 25 27 12 28 12	27 21 8 18 55 25 32 14 27	28 19 19 25 54 22 35 23 28 22	27 18 25 36 47 20 37 31 32 27	27 19 29 42 47 19 37 34 39	43 19 31 63 48 19 39 34 42 32	37 21 35 80 46 23 40 39 42 35	37 24 38 83 46 32 39 41	33 26 39 84 48 28 39 41 31	33 27 39 87 48 30 39 43 32 34	36 29 41 95 47 36 39 43 28	42 31 46 87 46 39 42 43 28 32	43 33 48 97 44 39 46 43 26 32	44 34 48 98 40 39 42 41 25 32	55 26 39 82 39 39 34 32 29	65 16 18 82 39 39 28 22 18 15	61 12 10 83 34 34 26 23 13	55 20 70 28 31 22 25 12	48 8 13 66 19 32 21 24 11	41 23 24 58 45 28 34 29 27
11 12 13 14 15 16 17 18 19	8 35 22 10 30 9 71 37 37	14 32 19 7 28 13 77 32 33	14 35 16 6 27 22 83 46 32	17 50 14 3 27 28 75 59 34	14 50 11 2 21 24 53 54 33	14 58 10 2 15 28 48 47 32 23	12 57 13 7 19 26 49 45 34	18 54 14 17 23 36 60 41 39 24	29 52 22 26 **** 50 70 39 43 46	38 52 32 32 47 60 75 40 45	45 53 36 50 49 70 80 48 48 52	52 65 41 61 45 78 77 59 49 58	61 67 46 58 55 83 72 63 50	69 61 43 49 50 86 74 66 54 47	76 46 43 46 52 88 78 68 55 43	81 46 43 47 51 94 79 66 55 42	82 46 46 51 102 83 67 51 45	88 28 46 46 48 105 83 65 47	87 21 35 43 44 100 79 64 42 39	78 15 30 33 38 103 72 61 32 32	59 19 27 25 29 94 53 55 21 25	59 21 22 21 23 84 55 52 14 24	58 23 17 19 12 72 50 47 8 23	42 24 16 19 8 72 38 41 7	46 42 28 28 34 64 68 53 37
21 22 23 24 25 26 27 28 29 30	19 23 12 33 52 23 44 51 51	20 20 14 35 50 23 54 48 52	21 19 23 39 43 37 55 50 55	17 16 26 39 42 40 52 50 48 14	12 10 23 39 34 39 53 46 43	10 11 21 34 34 34 50 37 36 14	17 18 26 37 46 34 54 34 30 15	24 28 38 42 71 33 62 40 28 21	31 37 55 50 61 34 75 ****	36 40 61 57 50 38 82 45 29	40 41 65 63 61 42 86 58 31 54	42 43 68 76 65 44 79 65 34 55	41 46 68 80 62 46 77 68 36 54	41 44 65 59 45 80 59 39	42 43 58 86 57 44 83 61 42 46	42 43 50 86 57 43 70 58 41 52	41 42 48 84 55 43 70 49 38 59	41 40 58 84 50 44 68 53 33 67	41 39 59 89 50 46 64 45 31	34 48 83 43 37 64 50 28 65	29 27 39 61 34 28 77 62 22 59	26 18 35 67 23 4 66 66 17 56	25 13 33 63 17 14 55 55 17 48	27 12 32 55 21 21 53 50 13 42	30 29 43 60 47 35 66 52 34 40
MEAN	29	29	30	30	27	26	28	33	39	43	48	52	54	51	52	52	53	53	51	46	40	35	32	29	40.0

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	ST	ATION	· 5W	NO	1000	1	COLLI	GE OF	AGR	CUTUI	RAL T	ECH. F	URON	PARK		MON	TH -	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	39	31	29	28	32	33	34	29	30	31	39	48	48	48	52	53	57	52	41	39	36	33	34	34	39
2	34	37	34	28	26	21	21	31	34	38	43	45	48	52	52	50	48	47	43	35	26	19	22	23	36
3	24	18	18	25	30	37	37	37	39	52	59	69	73	79	77	74	71	73	78	81	78	78	76	66	56
4	70	71	62	55	48	41	41	48	60	66	69	70	70	70	70	72	73	70	76	64	53	64	69	57	63
5	43	41	44	41	32	30	28	30	32	35	39	46	50	55	55	59	61	62	59	44	39	32	30	36	43
6	39	41	40	34	30	25	28	46	62	67	78	88	86	93	99	100	83	60	55	30	14	14	23	25	53
7	19	30	20	19	16	15	9	8	12	12	18	27	26	38	39	31	49	53	51	44	39	35	32	28	28
8	32	31	31	27							• • • •		28	32	32	34	35	36	35	41	41	44	42	37	35
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1.1	19	18	19	19	16	13	14	13	18	27	34	52	74	67	72	75	69	60	56	46	34	37	58	71	41
12	60	64	64	63	57		41	39	41	52	52	59	63	59	56	64	66	73	75	72	61	53	42	40	57
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17	43	40	37	32	29	25	22	28	39	52	59	61	58	55	56	61	65	70	75	71	52	27	35	30	47
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21	78	84	72	56	43			28	28	30	30	30	28	28	30	28	26	26	26	27	30	29	21	17	36
22	15	17	18	19	19	17	17	23	26	28	29	30	30	37	37	35	33	30	27	25	18	8	3	3	23
23	0	0	0	0	1	1	3	15	30	34	43	44	60	39	53	56	52	83	94	83	63	49	43	40	37
24	37	35	31	30	34	40		30	28	37	50	59	65	79	70	75	76	71	64	57	55	65	63	59	52
25	55	49	42	41	46	48	41	32	30	30	30	29	28	25	24	27	28	58	29	28	26	25	25	24	33
26	23	21	20	19	19	18	19	22	26	28	30	28	30	28	28	29	31	31	31	28	21	12	3	0	23
27	3	3	4	4	6	5	3	17	26	29	31	32	34	34	34	35	40	50	55	44	30	22	24	24	25
28	28	27	24	27	30	33	31	29	33	42	55	65	67	70	66	64	71	68	81	58	48	58	56	52	49
29	47	45	49	50	49	42	37	42	48	66	72		69	69	64	58	50	55	57	50	37	36	34	31	50
30	25	17	12	7	10	13	29	37	40	44	43	42	45	49	48	44	43	42	41	35	27	18	10	24	31
31	28	28	26	29	32	36	33	41	55	62	66	73	80	61	56	62	63	61	60	54	48	45	48	38	49
MEAN	35	33	31	30	30	29	27	31	37	43	49	53	57	57	57	57	57	58	58	51	43	39	38	36	43.3

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - OZONE-CHEMILUMINESCENT UNI STATION - SW NO 10001 COLLEGE OF AGRICUTURAL TECH. HURON PAR														S - P.	ARTS/E	11110	)N							
	ST	ATION	- SW	NO	1000	1	COLLI	EGE O	AGR	ICUTUR	AL T	ECH.	HURON	PARK		MON	ITH -	AUG	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	43	34	29	27	21	18	15	20	21	20	18	20	22	22	26	27	28	28	28		22	144		-	
2	15	15	16	14	12	1.1	8	19	32	44	45	57		69	65	65	73	68	62	24	11	9	12	13	22
3	36	42	41	35	27	16	14	37	39	55	58	61		71	66	60	59	48		63	52	46	45	42	42
4	39	39	38	38	27	19	18	21	31	29	39	48	67	74	64	65	78		45	45	48	46	38	37	45
5	61	56	46	38		****				34	45	50		58	76	94	99	78	64	54	66	59	56	63	49
6	41	37	34	33	34	39	42	43	42	41	43	45		41	37	37	36	99	86	71	39	52	50	45	61
7	8	16	21	17	15	10	8	11	23	41	41	37	54	65	65	63	62	34	26	27	19	17	10	2	34
В	34	34	35	40	38	35	31	28	29	31	32	32		36				59	59	50	38		• • • •		36
9	24	19	16	13	14	7	7	15	20	24	29	31	33	34	46	55	57	57	52	48	44	41	38	29	39
10	36	34	29	30	27	25	21	20	20	18	18	30			34	35	35	31	30	20	22	32	38	29	25
								20	20	10	10	30	38	58	79	66	66	BO	76	64	52	48	39	32	42
11	24	20	17	19	22	19	16	22	30	39	46	46	45	45	45	38	34	34	32	31	•		••	-	1450
12	20	17	13	9	8	6	4	8	19	30	34	35	37	48	47	49	54	57	62	59	31 45	29	28 58	25	31
13	50	43	40	40	40	36	29	29	38	59	59	61	69	71	71	84	85	70	59	52		55		51	54
14	35	38	36	34										• • • •				****	29	22	43	37	35	35	51
15	3	3	3	4	3	1	1	10	18	29	34	41	52	46	45	43	36	33	24		1	1	0	0	•••••
16	17	15	9	13	13	15	15	22	23	24	38	57	56	54	51	55	60	62	49	45	10	12	19	18	21
17	41	38	38	35	36	34	32	33	34	32	32	30	32	32	33	41	41	38	34		44	43	45	47	36
18	22	20	20	20	19	17	18	20	20	21	23	25	27	28	28	30	31	31	29	34	28	27	25	22	33
19	13	8	5	6	3	4	6	15	28	39	42	42	41	41	41	45	36	33	32	20	13	14	14	13	22
20	13	8	1 1	10	9	6	12	19	22	27	29	30	33	33	34	35	36	35	31	31 27	21 22	17	16	17	25 22
21	15	20	24	24	25	25	2.0											177.0	- 1			2.3	, 0	30.0	22
22	37	37	36	33	26	22	18	24	35	49	55	55	53	53	55	55	52	46	44	41	34	32	30	37	38
23	27	22	17	31	30	21		19	20	21	22	24	24	25	27	31	38	40	41	38	60	52	31	30	31
24	27	26			****		14	18	22	25	27	29	31	30	29	29	29	24	22	21	21	22	24	24	25
25	2	3				0.00		1.00		26	27	31	31	30	30	29	29	29	26	17	17	14	9	2	24
26	18	28	3	3	3	1	10	19	25	29	29	30	30	24	26	28	31	32	27	20	21	24	24	21	19
27	48	48	28 42	26 39	26	25	18	16	17	29	40	54	63	64	66	67	63	59	52	44	54	57	43	41	42
28	45	41			33	30	29	27	27	27	29	52	60	66	77	80	82	79	71	64	59	57	56	50	51
			36	29	22	22	22	22	28	34	45	53	58	59	61	61	62	62	62	60	59	58	50	44	46
29	38	35	32	29	25	24	20	19	17	1.7	22			31	34	38	38	37	31	21	12	6	3	- 1	24
30	10	4	3	3	2	3.	5	12	17	20	23	27	33	35	37	41	45	46	43	30	20	22	19	13	21
31	18	17	19	22	25	20	16	17	22	31	57	57	78	76	65	64	83	80	71	66	69	72	78	73	50
MEAN	28	26	25	24	21	18	17	21	26	32	36	41	45	47	49	50	52	50	46		200			30.00	
											-			-	-13	30	32	30	46	40	35	34	32	29	34.4

PERCENTAGE OF DATA VALID - 95.4 PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

																16.									
	ST	ATION	· 5W	NO	10001		COLLE	SE OF	AGRI	CUTURA	L TE	сн. н	URON	PARK		MON	тн - 1	VOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	20	19	17	12	10	9	7	7	4	5	8	10	14	15	15	31	9	3	4	6	9	12	17	18	11
2	13	14	15	12	12	13	12	10	8	1.1	15	18	23	26	28	28	19	15	9	10	11	9	10	10	15
3	9	8	6	8	8	10	7	7	6	7	10	14	18	19	20	15	12	6	5	5	6	6	7	9	10
4	5	2	3	2	3	4	14	13	13	15	15	16	20	26	28	22	19	10	12	14	17	19	19	17	14
5	14	14	14	1 1	12	14	16	16	16	19	21	21	18	19	19	20	18	18	17	17	16	15	15	14	16
6	13	12	12	1.1	1.1	10	9	9	8	6	7	7	9	12	14	14	14	11	7	4			4	7	
7	6	5	5	4	4	6	6	8	6	7	9	10	11	12	12	10	9	8	7	6	6	6	8	É	10
8	7	7	8	8	7	7	5	7	7	8	7	9	8	10	8	6	6	2	2	2	3	2	3	3	6
9	4	4	4	4	3	1	0	0	î	4	5	5	5	5	7	5	2	4	8	2	2	5	3	5	6
10	7	9	10	11	13	28	25	23	22	13	12	14	13	18	20	20	17	16	19	16	16	13	13	7	16
	_	-																						15	
11	8	7	6	5	10	6	14	15	23	24	24	24	25	26	28	28	28	28	29	29	30	30	30	30	21
12	30	29	27	26	26	26	21	20	23	26	28	28	31	29	29	29	27	24	26	24	24	18	17	17	25
1.3	13	17	1.1	17	1.7	19	19	16	18	22	25	27	31	30	31	30	28	26	26	25	24	23	25	22	23
14	16	19	19	16	14	12	1.1	9	9	13	23	22	19	23	24	16	11	0	0	0	0	4	9	-6	12
15	6	6	6	5	5	4	4	4	9	10	12	16	18	20	21	22	23	24	25	27	25	26	26	23	15
16	18	18	16	18	23	23	23	24	24	25	29	27	23		14	15	12	6	6	4	- 5	3	4	3	16
17	21	16	14	1.3	12	16	14	10	7	6	9	4	26	30	26	31	27	26	18	17	18	16	12	17	17
18	17	11	1.3	15	15	16	16	15	16	16	17	17	17	17	18	18	19	20	20	18	18	20	20	20	17
19	18	19	20	19	17	1.7	19	20	22	27	30	30	28	31	32	32	29	26	11	3	9	21	24	20	22
20	23	23	21	22	20	16	19	19	18	18	18	18	17	19	20	18	18	14	10	11	19	18	19	28	19
21	28	28	26	23	32	26	21	20	22	22	22	22	22	25	25	24	23	24	21	18		24			6.0
22	23	22	21	20	19	18	13	14	15	18	22	23	24	23	23	21	15	8	17	18	19	18	12	23	23
23	8	8	3	2	4	6	7	10	9	10	9	В	8	6	5	3	1	ő	0						18
24	1	1	3	8	9	11	17	21	20	12	13	17	20	22	22	22	22	23	24	0	0	0	0	0	. 4
25	26	24	22	21	21	25	26	23	19	15	11	12	9	- 5	3	-4	4	23	24	24	25	25	25	25	17
26	21	22	22	23	24	24	25	27	27	28	29	29	30	30	31	31	31	33	34	32	32	15	17	18	14
27	32	29	29	30	31	30	24	22	22	24	24	26	29	27	28	27	21	18						30	28
28	17	16	15	13	6	1	0	- 1	3	- 4	9	13	17	17	19	23	20	17	20	22	21	19	17	19	25
29	3	5	3	4	2	ò	ő	2	5	6	8	17	18	20	20	12	5	17		4	5	10	11	8	11
30	4	5	3	0	ō	5	2	1	6	8	13	14	12	10	7	5	4	2	5	5	5	6	6	2	7
7.7		178.2	1770	1.50		-							, .	10	,	3	-	4	U	0	0	0	0	0	4
MEAN	14	14	13	13	13	13	13	13	14	14	16	17	19	20	20	19	16	14	13	12	13	14	14	14	14.9

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	T - 0	ZONE	-CHEM	LUMI	NESCEN	VT.						UNITS	- PA	RTS/B	ILLION	N							
	ST	TION	- SW	NO	10001		COLLEC	E OF	AGRI	CUTURA	TEC	н. н	HURON	PARK		MON	тн - (	DEC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
1	0	0	O	0	0	0	3	3	9	15	13	1	0	1	4	2	3	7	8	8	13	15	13	14	5
2 3	18	15	16	15	14	17	15 23	14	15	18	18	15	21	17	14	18	21	22	15	13	15	13	10	18	16
4	16	16	21	25	25	25	26	23	24	25	24	23	23	25	27	29	29	28	24	22	21	21	20	19	24
5	21	19	19	19	7	25 B	9	10	27 14	14	14	28 16	28	13	29 15	28 25	27 26	20	24	23	22	18	19	19	24
6	30	30	29	29	29	29	28	28	27	29	30	30	29	29	29	27	28	28	29	29	31	30	30	30	20
7	29	29	2B	27	26	24	24	24	24	24	27	31	34	34	34	33	32	28 33	27 34	28	26	28 30	29 25	17	29
8	16	5	0	0	0	0	0	2	10	15	19	20	17	19	19	18	16	15	17	34 18	32 16	11	11	13	29
9	15	18	12	7	7	7	4	6	9	12	14	18	21	21	21	21	21	24	30	31	32	33	33	32	12
10	31	27	26	28	30	30	28	27	28	28	25	26	31	31	29	27	25	21	21	19	20	13	10	3	24
11	0	O	0	1	7	8	8	15	22	24	24	26	27	28	24	22	12	18	14	17	18	14	16	18	15
1.2	21	19	19	9	12	14	15	14	16	18	22	22	23	23	24	24	23	22	22	22	21	20	18	18	19
13	1.6	15	14	14	13	12	10	10	12		16	17	19	19	19	18	18	18	16	15	15	15	17	18	15
14	15	14	12	8	В	7	1	0	1	2	3	5	8	9	10	8	4	1	1	2	2	4	10	12	6
15	15	15	18	18	17	1.7	16	15	13	13	12	13	22	26	18	15	16	9	8	10	13	15	8	0	14
16	3	2	2	1	0	0	0	0	2	4	6	6	8	10	12	12	8	1	0	0	2	5	7	11	4
17	15	15	15	17	18	19	20	21	22	21	18	17	20	21	22	23	23	24	25	23	21	30	20	20	20
18	21	21	20	20	20	20	20	20	20	20	20	19	20	19	15	12	9	7	4	4	5	3	1	0	14
20	0	0	6	9	8	1.4	16	7	17	20	11	11	11	11	11	9	5	2	0	0	0	1	0	0	6
									17		21	20	19	18	15	8	8	7	4	9	10	9	12	12	11
21	15	16	16	16	15	16	16	1.7	16	15	15	18	17	18	18	18	15	14	13	12	1.1	10	9	8	15
22	7	6	3	0	0	2	5	5	2	5	9	14	17	13	6	5	4	7	7	11	12	14	1.1	6	7
23	8	10	11	12	12	13	14	14	15	16	16	19	20	20	20	19	18	17	17	16	12	9	5	1	14
24	0	2	1	0	0	0	0	3	6	10	14	18	17	18	18	15	13	13	16	12	6	13	16	17	10
26	11 26	21	24	27	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	27	27	26	27	27
27	26	10	26	26	26	26	26 27	26	26	25	25	23	23	24	25	25	23	20	15	10	12	1.1	10	9	21
28	19	19	12	12	16	10	2 /	27	27 13	16	26 18	28 19	29 18	29	30	29	28	28	27	27	24	24	23	21	23
29	21	27	28	29	30	29	17	11	15	16	15	15	21	18 17	16	16	14	11	9	7	3	1	0	1	1.1
30	2	1	1	1	1	0	ó	o	2	4	5	6	11	10	12	12	9	4	7	13	19	16	3 11	12	14
			550			-	- 3		-		700	-												12	ь
31	13	18	21	27	28	26	23	23	23	25	27	28	31	33	34	35	28	22	25	28	28	24	22	24	26
MEAN	14	14	14	14	14	15	14	14	16	18	18	19	20	20	19	19	18	16	16	16	16	15	14	14	16.2

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - C.O.

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

	STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													- PA	RTS/	BILLIO	N								
	ST	ATION	- SW	NO	12008		467 U	NIVER	SITY	AV WE	ST F	2 WIND	SOR			MON	TH -	JAN	77						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 2 1	0 0 0 0 1 0 0 0 5 4	3 0 0 0 0 0 4 0 8 7	1 0 0 0 0 5 0 13	0 0 0 3 0 0 5 0 15 10	9 0 1 0 0 20 0 5	21 2 0 0 0 0 17 0 4	27 0 0 0 0 0 10 0 3	32 0 0 0 0 0 6 4	32 5 0 0 2 2 13 4 17	34 8 2 11 6 2 17 11 20 16	32 17 3 17 12 0 21 14 19 23	31 19 1 17 19 2 23 16 30 27	34 13 1 19 23 4 24 12 28 29	24 11 3 11 18 4 21 5 18 29	21 10 1 3 9 6 19 3 21 25	17 9 5  5 3 10 0 30 21	3 0 0 1 1 2 1 0 21	0 0 0 0 0 2 0 0	0 0 0 0 0 3 0 0 17 9	0 0 0 0 0 1 0 3 12 13	0 0 0 0 3 0 3 13 28	0 0 0 0 0 0 0 0 0 0 6 24	0 0 0 0 1 0 0 2 25	13 4 1 4 4 2 9 3 14
11 12 13 14 15 16 17 18 19 20	25 0 0 18 15 0 0	17 0 0 0 11 8 0 0 3	17 0 0 7 14 0 0	20 0 0 9 10 0 13	21 2 0 0 11 19 0 0 31	18 0 0 4 12 0 0 21	8 0 0 0 15 0 0 8	100000000000000000000000000000000000000	00000030	5 3 6 0 3 11 5 3 7	8 0 9 0 4 21 7 4 13 7	14 2 5 30 8 9	11 21 19 2 17 31 9 15 23	10 25 25 0 23 33 14 	8 21 21 0 19 30 24 16 23	9 17 15 0 15 26 7 13	0 12 7 0 11 19 	0 0 4 0 12 1 0 3 5 0	0 0 9 0 9 0 5 2 6 0	0 0 12 1 9 0 17 2 13	0 9 10 17 0 16 2 18	0 3 9 19 3 16 3	0 0 17 17 1 1 1 10 0	0 0 15 17 0 0	8 4 6 2 11 13 6 3 12 3
21 22 23 24 25 26 27 28 29 30	0 18 0 3 6 6 30 9 2	0 21 0 5 7 5 30 0 1 3	0 28 0 3 4 4 21 8 3	0 34 0 13 2 4 20 10 3	0 34 0 17 1 7 15 4 2	0 37 0 7 3 2 6 3 3	0 21 0 2 1 0 0 4 1 3	0 13 0 2 1 0 0 0 0	0 16 2 1 1 0 2 20 6	2 27 11 1 3 5 8 22 17	9 27 15 3 6 11 20 24 19 23	15 25 27 3 15 26 23 26 24 30	19 28 25 4 25 25 24 28 28 30	17 32 19 4 30 31 27 21 26 28	20 30 27 1 24 36 30 23 24 30	15 27 28 0 17 34 25 28 23 26	9 19 26 0 10 30 19 26 23	7 8 35 0 13 21 9 21 14	5 8 25 0 5 12 0 9	1 0 12 0 15 17 0 9 5	3 0 13 0 15 27 0 4 3	7 0 13 0 17 37 0 2 2	16 0 7 0 9 27 2 4 5	13 0 7 0 9 30 1 3 5	7 19 12 3 10 17 13 13
31 MEAN	5	4	4	6	6	5	3	3	0 4	5 8	9 12	14 16	14 19	19 20	19	20 16	15	5 7	1 5	7 5	7 6	9 7	4 5	1	6 8.4

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT	- OZONE-CHEMILUMINESCENT	UNITS - PARTS/BILLION
STATION -	SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR	MONTH - FEB 77

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	5	7	7	9	13	14	4	0	5	18	22	28	31	30	28	26	17	13			_		_	_		
2	4	5	2	9	11	3	0	ō	5	11	8	5	19	• • • •					15	. 9	. 7	6	7	9	14	
3	• • • •	••••										10	15	12	12	10	13	11				••••	****	****		
4	1	1	3	7	12	6	3	0	1	1	1	5	9	9	5		2	- 2	- 1	3	- 1	0		1	•••••	
5	15	19	28	31	30	30	23	15	15	25	30	32	30	31	32	32	30	24	18	. 3	- 1		10	3	3	
6	10	12	15	15	13	7	3	2	7	16	28	32	34	34	32	31	29	24	14	13 5 0	12	11	2		23	
7	15	14	13	15	9	9	1	1	3	9	16	19	22	23	25	17	12	- 5	1	9	o	0	ő	3		
8	0	0	0	0	0	0	0	1	2	8	16		24	25	28	31	27	14	14	12	5	10	Ö	ő		
9	a	0	0	2	1	0	1	1	2	5	7	11	15	16	23	21	19	9	77	1.2	•	0	•	ő		
10	0	0	0	0	0	0	0	0	1	1	4	9	21	34	52	53	32	20	19	11	8	7	15	7	6 12	
1.1	9	1.1	16	13	10	17	7	3	3	9	10	11	12	19	16	14	7			122		_		_		
12	0	0	0	0	0	0	0	0	ĭ	3	7	9	4	3	3	2		5	1	0	0	0	0	0	8	
13	1	4	4	2	5	3	3	3	4	4	7	14	16	12	15	20	21	19	, ,	6	- 1	- 1	. 7	2	3	
14	16	8	7	18	23	17	9	5	В	13	19	15	17	18	19	19	18	15	18	19	21	21	25	25	12	
15	28	28	30	33	32	28	23	11	11	14	19	23	24	25	26	18	13	10	9		21	23	23	26	16	
16	3	3	6	9	8	1	0	1	1	5		18	23	25 26	28	25	23	17	15	10	11	7	3	- 1	18	
17	0	0	0	0	0	0	0	0	1	3	6	7	19	25	30	32	31	22	7		12	10	1	1	11	
18	4	5	7	5	1	2	2	1	2	6	5	5	9	11	9	2	1	0	ó	2	5	6	5	5	9	
19	0	0	6	6	18	15	11	9	13	17	23	24	28	30	34	38	28	23	15	8				0	3	
20	15	9	7	7	1.1	18	18	11	9	25	30	30	25	24	27	24	23	17	15	16	3 18	16	3 21	11	15 18	
21	30	28	26	28	27	12	7	0	3		17	17	20	21	21	22	25							-	223	
22	18	28 12	5	13	17	14	3	ĭ	3	7	8	11	13	21	26	20	15	20	10	3	5	13	19	21	17	
23	18	20	21	21	23	26	8	5	3	3	5	11	23	25	27	23	22			7	9	1	5	9	10	
24	7	13	18	22	29	33	33	26	19		29	38	34	22	10	11	12	21	18	13	7	6	3	3	15	
25	10	13	9	15	7	9	4	9	19	21	17	15	23	27	24	19	22	18	4	13	7	9	8	9	18	
26	15	27	29	34	29	26	23	14	18	21	19	17	17	15	7	2	1	16	9	15	13	3	3	12	14	
27	16	21	18	21	22	19	17	13	13	11	11	15	30	32	33	33	34	31	18	7	15	. 7	8	10	15	
28	3	7	9	2	3	2	1	1	7	••••	••••	30	30	30	28	32	19	21	3	23	17	11	5	0	19 11	
MEAN	9	10	11	12	13	12	8	5	7	3.1	15	17	21	22	23	21	18	14	10	8	8	6	6	7	12.2	

PERCENTAGE OF DATA VALID - 95.8 PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*-\* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	ST	ATION	- SW	NO	12008		467 L	INIVE	RSITY	AV W	EST F2	WINE	SOR			MON	TH :	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	10	22	23	14	11	4	30	51	64	67	62	62	59	54	71	75	76	64	43	20				
2	12	19	21	33	33	30	21	6		7	5	- 1	1.1	18	21	28	37	42	29	43	39	13	8	20	40
3	21	23	24	18	4	0	6	18	28	30	33	40	44	44	47	45	39	49	49	47	45	- 1	6	14	17
4	47	47	35	30	25	13	6	7	8	В	10	15	10	14	16	13	6	4 9	49	47		41	39	37	32
5	0	7	16	18	13	1.1	6	4	4	10	8	18	52	61	62	63	62	58	49		0	3	2	0	13
6	9	15	49	47	45	14	7	11	31		44	49	53	54	59	59	57	53		21	21	8	6	28	25
7	18	24	28	29	27	19	18	18	23	37	37	38	44	46	48	46	49	52	38	24	26	28	23	17	35
8	6	1	0	0	0	0	3	11	37	54	54	53	54	52	51	43	50	45		28	13	2	0	1	29
9	30	30	28	26	16	8	9	18	23	26	28	32	37	37	38	36	35	36	37	33	26	28	33	28	29
10	2	5	6	4	4	5	4	8	21	38	42	46	52	54	56	54	56		35	28	18	11	10	4	25
		-						U	-			40	34	3~	20	54	20	61	56	45	15	19	13	2	28
1.1	1	0	0	0	0	0	0	1	3	27	53	59	63	64	66	65	62	59							
12	0	0	ō	1.1	13	13	2	7	15	39	47	49	39	33	33	57	65		45	17	0	0	0	0	24
13	57	55	54	55	42	10	11	11	29		48	60	78	79	80	86		69	69	57	52	54	55	57	35
14	1	2	5	2	9	10	8	11	35	33	38	42	52	52	53	59	82	80	81	70	69	6	0	0	50
15	0	1	O	1	2	4	8	33	39	40	47	53	56	59	64	62	73 59	75	69	33	25	21	1.1	4	30
16	22	4	2	14	15	2	9	7	18		****	37	54	92	110	122		59	57	40	11	5	11	13	30
17	63	28	21	8	5	- 7	5	13	16	37	75	97	106	112	114	106	112	104	87	85	65	63	68	63	53
18	52	21	14	21	20	4	4	14			45	56	73	70	62	34	112	116	107	75	78	40	9	0	56
19	15	1.1	37	23	4	0	5	13		28	27	34	40	75	72	56	62 40	54	40	32	53	44	31	24	38
20	24	7	3	3	0	0	2	7	43	77	84	91	89	75	98	103	95	84 80	61	56	16	13	15	26	33
			-			1070			1.5	* *	04	91	09	/5	98	103	95	80	6.2	64	75	77	101	125	58
21	101	55	31	39	22	40	47	47	70	84	75	84	102	106	104	102	107	101	96	99	105	111	84	58	78
22	29	6	8	50	21	25	29	50	61	45	61	75	103	101	97	84	66	60	59	54	24	53	51	53	53
23	41	38	23	13	14	13	8	17	22	25	27	36	34	42	69	81	80	80	75	73	64	55	57	68	44
24	70	66	61	54	51	20	1.1	15		36	78	89	94	94	70	68	74	76	84	72	50	52	33	31	59
25	6	_1	7	0	0	1	3	15	43	98	124	135	129	89	61	53	50	42	26	13	16	19	17	17	40
26	27	21	27	21	16	4	6	8	17	27	38	47	56	45	51	59	71	57	31	25	24	В	1	3	29
27	0	3	10	3	1	2	5	••••	••••	47	52	57	61	64	63	61	59	56	65	44	1	1	0	õ	30
28	0	0	0	0	0	0	0	3	17	29	77	91	97	101	110	142	135	116	97	98	89	41	10	7	53
29	27	27	22	48	54	50	45	40	40	38	39	45	52	54	55	56	48	45	44	38	31	31	29	31	41
30	27	33	34	24	22	18	17	21	21	20	26	31	45	54	59	62	68	73	97	44	24	4	1	5	35
31	1	1	1	1	1	1	3	31	••••	••••	71	82	87	98	94	68	87	76	77	77	45	2	1	39	43
MEAN	23	18	19	20	16	11	10	17	29	39	49	55	62	64	66	66	67	66	59	46	36	28	23	25	38.1

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.6 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT STATION - SW NO 12008 467 UNIVERSITY AV WEST ED

UNITS - PARTS/BILLION

	51	ATION	- SW	NO	12008		467	UNIVER	SITY	AV WE	ST F2	WIN	SOR			MON	TH :	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	5	6	13	6	91	13	••••	15	18	22	24	17	26	23	24	22	17	30	20	-	22		2.4	
2	25	3	19	29	22	10	6	4	3	3	6	7	9	6	3	3	15	26	25	36 12	40	35	32	34	20
3	2	2	10	22	15	- 1	3	17	32	38	42	49	40		44	40	42	54	53	49	41	2.	2	0	10
4	8	3	3	1	1	3	5	8	25	46	64	79	96	100	96	93	96	100	80	65		22	12	3	28
5	10	6	32	67	64	71	71	59	46	44	46	54	43	55	60	64	56	40	44	44	36 43	24	27	57	47
6	68	69	58	56	43	38	27	9	20	29	29	25	31	36	40	40	40	46	40	37	38		40	50	48
8	- 1	0	7	24	24	13	12	22	34	31	34	46	48	47	45	43	45	50	44	36	25	19	10	11	36
9	1	1	1	1	0	0	0	0	3	1.1	29	40	54	54	42	26	39	55	40	27	36	33	28	18	28
10	19	29	36	36	31	13	13	20	29	41	45	46		43	37	34	36	38	35	32	8	3	28	18	22
10	1	0	0	0	1	2	3	12	20	34	33	38	54	70	71	73	94	82	70	50	21	3	0	ò	27
		- 2															120.0		,,	50	21	3	U	U	31
11	0	0	0	2	9	15	13	8	30	49	40	22	8	13	27	43	50	33	31	36	27	12	20	43	
13	36 14	13	8	12	4	8	24	18	В	19	21	30	50	72	77	86	87	77	30	17	15	10	29 5	13	23
14	0	10	18	18	8	0	1	4	• • • •	24	28	34	52	68	74	79	73	77	74	47	10	3	ō	0	31
15	U	o	1	1	3	0	1	3	13	31	41	53	56	52	48	41	52	54	34	24	23	9	8	ě	
16	100	-	-	-	-	-			20	35	50	46	59	64	73	82	77	77	74	60	29	10	3		23 48
17	77	5 5 5	2	2	2	1	9	20	37	57	73	96	104	100	131	127	106	119	117	110	115	108	88	75	
18	18	20	40	44	38	17	10	24	29	56	65	69	86	88	88	83	65	27		13		0	0	8	67 43
19	15	20	31	45	45	24	17	26	34	34	46	60	63	70	71	72	65	64	61	54	46	30	20	20	43
20	0	0	1	15	17	11	27	35	42	50	54	58	57	57	53	53	54	55	50	47	22	3	20	3	31
20	U	U	0	15	17	13	10	10	34	42	48	52	52	52	56	53	52	50	38	34	33	24	15	15	30
21	6	4	6	2	7	0	3	8	20	32	38						-		8.8				.5	13	30
22	16	8	ĩ	- 7	Ó	1	,	6	15	25	36	47	53 58	56	56	52	52	59	54	36	82	71	52	38	35
23	5	1	0	0	1		3	8	16	36	55	58		66	68	60	75	88	7.3	34	20	21	1.1	8	31
24	56	56	38	41	27	6	3	5		****	64	71	68	75	76	80	77	70	63	57	38	31	40	57	38
25	3	9	20	29	42	43	41	56	62	71	75	81	79 83	80	82	81	78	86	92	85	65	54	48	30	56
26	6	10	14	8	o	7,	17	34	53	60	64	64		79	75	73	69	66	65	45	33	16	14	6	48
27	73	59	50	49	36	3	11	35	53	80	88		73	87	100	105	112	101	87	82	68	49	44	50	54
28	61	60	59	38	29	10	10	12	20	50	77	101	102	103	88	73	80	78	88	88	98	BO	72	67	69
29	40	35	13	30	24	11	9	8	19	24	31		110	83	70	87	98	84	75	70	43	20	24	32	55
30	0	o	0	2	- 1	1	3	11	17	21	18	38	46	47	47	47	49	52	52	47	34	13	3	1	30
			-		,		3	1.5	17	21	18	16	13	27	40	52	58	61	42	33	19	29	22	17	21
MEAN	19	16	16	20	17	11	13	1.7	26	36	45	51	57	61	62	62	64	63	57	47	37	26	22	22	36.5

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	ST	ATION	· SW	NO	12008		467 U	NIVER	RSITY	AV W	ST F	WIND	SOR			MON	тн - :	SEP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1 2 3 4 5	20 15 26 2 34 21	19 24 22 5 38 27	15 8 21 5 29	14 0 22 13 19 20	13 13 21 15 17 6	5 17 11 13 8 6	6 3 12 11 9	10 3 21 7 10 8	13 22 27 22 10	22 13 25 33 32 18	33 25 30 41 48 27	34 38 40 45 54 36	35 59 44 56 66 57	40 56 54 52 61 66	44 53 48 69 68 57	36 53 54 80 52 50	29 46 44 83 47	38 54 33 79 25 36	29 42 26 67 22 52	17 29 22 52 26 29	8 36 13 41 20 16	8 30 8 30 21	1 24 7 33 20 18	2 28 10 22 17	21 28 27 37 32 27
7 8 9 10	12 8 45 13	0 34 14	19 4 28 7	24 15 25 0	15 13 40 0	4 3 15 0	3 36 2	8 1 41 8	28 8 4 17	38 22  24	37 40 56 25	53 46 80 23	63 55 92 22	68 61 90 22	66 70 87 21	47 68 87 20	64 70 84 21	81 66 67 20	57 50 37 20	34 31 21 6	33 27 36 0	20 22 52 0	39 32 1	19 47 24 2	35 32 48 12
11 12 13 14 15 16 17 18 19	5 16 32 5 3 0 0 15 28 20	4 12 40 14 3 0 0 23 17	1 8 43 23 9 0 19 36	0 3 31 28 12 1 0 14 30	0 1 12 15 8 3 0 14 23	1 0 1 4 6 14 0 16 13	1 0 0 4 14 0 5 8	1 6 0 1 2 11 1 9 3	6 13 6 6 9 5 11 4	19 20 4 9 8 7 10 16	34 22 4 13 15 4 16 19 4	45 39 4 22 14 7 29 7 1	46 54 26 20 15 46 14 3	50 54 12 30  22 62 26 11 8	50 40 11 28 2 27 54 39 10	55 17 14 25 2 25 49 41 7	60 12 9 22 22 27 40 8	52 17 0 25 3 19 9 34 6	54 14 0 14 5 11 3 26 3	27 1 0 4 6 4 1 13 4	6 8 3 4 4 1 0 8 9 5	13 12  5 0 0 1 1 12 3	20 36 12 3 0 0 6 20 15 6	17 35 15 3 0 0 11 16 13 6	24 18 11 14 6 9 14 19
21 22 23 24 25 26 27 28 29 30	3 10 16 7 2 30 3 0	3 7 19 9 8 35 6 0	3 6 16 14 1 35 2 0	1 3 17 16 0 32 0 0	1 3 14 16 0 35 2 0	0 0 11 11 17 0 0 0	009502000	0 3 2 4 5	0 1 7 2 4 15 	0 3 11 5 9 24 12 5 0	3 8 5 14 28 14 7	3 6 13 24 28 14 8 5	10 29 29 30 16 13 8	3 9 13 23 39 29 16 14	2 11 13 15 45 27 11 14 5	1 12 9 15 48 26 8 12 5	0 9 10 12 39 25 9 12 6	0 10 13 15 24 22 9 11 3	0 8 14 17 19 17 2 2	0 10 15 3 18 6 1 0	6 12 17 2 14 3 0 0	11 6 18 0 26 3 0 0 0	10 7 18 0 36 9 0 0 7	8 13 14 2 29 3 0 0 0 9	3 7 13 10 18 20 6 4
MEAN	13	14	13	12	10	6	4	б	9	14	20	25	32	36	33	31	28	26	20	13	11	11	13	13	17.2

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	T - C	ZONE	-CHEMI	LUMI	NESCEN	NT.					Ų	11111	- PA	RTS/B	ILLION	4							
	STA	TION	· sw	NO	12008		467 UN	NIVER	SITY	AV WES	5T F2	WIND	SOR			MON	TH - (	OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1	14	12	13	18	18	16	9	2	0	2	2	2	6	5	3	6	10	10	15	14	16	17	11	11	10
2	10	13	15	16	16	15	1.1	7	11	13	17	19	19	18	16	14	15	13	8	1.1	7	6	0	0 .	12
3	0	1	6	6	5	0	0	•	••••	1.2	13	15	18	17	18	16	15	13	3	2	0	0	0	0	7
4	1	3	4	6	1	0	O	0	3	5	13	22	25	27	29	29	31	29	8	0	0	1	0	0	10 6
5	0	2	2	2	1	0	0	0	3	4	7	В	15	19	12	11	11	6	1	2	7	7		7	4
6	1	3	3	2	0	0	0	0	0	••••	11	14	14	14	14	7	4	3	1	0	0	1	2		- 350
7	1.1	10	3	3	2	0	0	O	1	5	12	15	21	13	12	16	14	12	13	15	14	9	6	10	9
8	9	5	4	14	19	22	24	27	28	29	23	22	27	35	41	46	35	34	26	10	5	4	8	5	21
9	5	5	11	12	7	5	5	3	5	1	1	1	4	7	12	13	10	5	0	2	2	2	22	23	10
10	0	0	0	0	0	0	0	1	2	5	11	22	30	26	18	20	18	16	5	2	7	15	22	23	10
11	20	12	13	20	12	2	1	1	••••	3	7	10	6	10	6	9	10	12	3	0	2	5	11	12	В
12	6	4	2	4	7	1	1	2	1	0	0	4	13	13	13	11	9	5	- 1	1	3	0	0	0	4
13	5	5	1	1	0	0	0	0	0	0	0	0	0	1	10	14	16	10	1	1	1	1	1	1	3
14	1	1	0	0	0	0	0	0	0	6	10	20	26	29	25	26	26	21	4	О	О	0	0	0	8
15	0	0	0	0	0	0	0	0	0	0	0	0	5	12	5	5	4	6	6	4	9	3	1	1	3
16	4	6	5	6	7	6	5	8	10	13	16	21	24	21	19	20	16	12	11	10	6	5	6	4	11
17	19	9	0	0	0	0	0	0		9	12	14	15	21	20	18	18	В	1	3	5	4	1	2	8
18	2	8	1.1	10	2	0	0	1	3	5	10	16	21	20	18	10	3	1	0	0	0	0	0	0	6
19	0	0	0	0	0	0	0	1	4	6	10	10	15	14	16	9	5	3	0	0	0	0	0	0	4
20	0	0	0	0	0	0	0	0	1	2	7	14	19	24	25	21	13	9	1	0	0	0	0	0	6
21	0	0	0	0	0	0	0	0	2	4	10	20	36	35	••••	••••	27	22	19	8	3	7	5	3	9
22	3	1	3	0		0	2	3	3		12	17	17	21	18	10	10	14	20	19	20	8	10	14	10
23	20	21	21	17		11	8	8	9	8	5	10	20	18	14	11	11	13	15	15	11	9	6	1	13 13
24	12	10	В	8		0	0	0	1		17	19	30	31	25	23	27	20	18	20	13	4		100	
25	0	3	1.6	13		- 1	0	0	2	4	12	16	21	25	25	22	22	6	1	0	5	0	0	1	8
26	1	4	14	10		4	1	0	0		5	5	5	5	7	9	5	1	0	0	0	0	4	0	4
27	0	0	0	0		0	a	0	0	0	0			10	15	15	6	3	1	1.	3	4	4		
28	13	16	10	7		0	0	0	1	3	11		••••	18	12	12	10	4	2	3	1	1	1	1	6
29	1	1	1	3		4	0	0	0	2	9	11	17	15	14	14	9	0	0	0	0	0	18	19	15
30	0	0	0	0	0	0	0	0	13	14	18	21	23	39	36	41	35	25	10	12	18	20	18	19	15
31	21	18	9	7	7	8	7	10	16	****	28	24	27	27	24	25	23	17	29	27	18	25	29	27	20
MEAN	6	6	6	6	5	3	2	2	4	6	10	14	18	19	17	17	15	11	7	6	6	5	5	5	8.3

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

STATION - 5	W	NO	12008	467	UNIVERSITY	AV	WEST	F 2	WINDSOR	

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	8.4	19	37
FEB	26	12.2	23	53
MAR	29	20.6	37	76
APR	30	25.5	38	93
MAY	31	38.1	78	142
JUN	30	36.5	69	131
JUL	25	43.4	64	144
AUG	31	29.6	53	94
SEP	30	17.2	48	92
OCT	31	8.3	21	46
NOV	30	5.5	16	28
DEC	31	4.4	19	26
YEAR	355	20.6	78	
			. 0	144

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

YEAR 3943 1452

POLLUTANT - 020	ONE - CHEM	ILUMINESCI	ENT			UNITS - F	PARTS/BILLI	ON	
STATION - SW	NO 1200	8 467	UNIVERSIT	Y AV WEST	F2 WINDSOR			0.22	
MONTH OO	TO 10	11 TO 20	21 10 30	31 TO 50	51 10 80	8110100	10170150	15180VER	TOTAL
JAN	495	133	94	18	٥	0	0	ō	740
FEB	325	168	118	31	2	0	0	o	644
MAR	239	152	138	146	41	0	0	0	716
APR	214	118	109	186	78	7	0	0	712
MAY	172	84	86	142	176	38	33	0	731
JUN	176	83	69	164	154	41	16	0	703
JUL	123	57	61	133	147	75	23	0	619
AUG	182	131	90	195	116	19	0	0	733
SEP	335	148	93	77	47	7	0	0	707
OCT	481	173	65	13	0	0	0	0	732
NOV	569	112	25	0	0	О	0	0	706
DEC	632	93	11	0	0	0	o	0	736

1105

959

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	OF DATA				FREQUENCY		TRATIONS					
	VALID	MIN	10	30	50	70	90	PERCENT 95	98	99	MAX	ARITH MEAN
	96.8	0	0.0	3.5	11.8	25.3	54,1	70.2	87.0	97.6	144	20 6

761

0

72

736

8479

UNITS - PARTS/BILLION POLLUTANT - OZONE-CHEMILUMINESCENT MOE WATER PUMPING STAT. MIDDLE RD. MERLIN MONTH - JUL STATION - SW NO 13021 24 MEAN 1.1 HOUR 6 7 71 89 81 96 102 73 67 44 51 60 90 72 116 100 91 69 39 49 79 62 92 80 55 35 29 43 77 62 64 61 53 35 17 26 39 71 65 42 55 60 35 16 23 32 47 64 39 61 51 35 37 18 45 71 86 86 100 113 105 73 48 53 54 79 62 113 83 65 37 27 35 31 29 67 56 42 61 58 31 22 64 55 64 53 43 12 59 69 75 72 48 37 14 61 45 54 57 35 35 3 4 5 6 7 8 9 37 66 62 38 57 60 48 15 13 53 25 40 39 29 28 7 28 52 31 39 38 22 25 10 36 52 39 47 31 21 28 13 69 86 60 98 97 50 49 36 75 81 69 107 107 57 49 45 78 80 74 114 120 60 49 52 90 69 113 96 92 68 35 55 88 65 113 91 73 62 33 42 11 56 31 47 86 58 95 72 47 47 32 72 55 75 67 48 40 29 96 118 149 64 50 29 29 14 54 52 74 85 68 69 77 83 75 86 109 140 91 61 92 77 75 92 92 155 94 70 105 155 72 90 94 145 95 105 104 142 136 73 86 113 132 96 130 86 143 116 74 83 119 127 100 106 77 138 116 73 81 119 122 92 90 69 126 113 76 80 113 110 83 100 71 110 105 68 69 102 97 74 83 75 86 97 48 35 86 84 73 86 68 79 83 34 37 91 77 71 50 65 70 43 18 98 64 35 64 61 36 40 52 47 56 34 39 37 35 27 45 50 56 57 39 52 43 52 41 47 63 64 65 52 69 48 85 56 58 83 71 71 66 77 51 60 66 98 116 81 69 86 58 57 41 25 98 63 60 35 66 58 54 29 31 60 55 59 33 67 50 33 31 18 43 26 41 23 52 24 35 31 35 50 50 34 18 50 24 12 13 14 15 16 17 18 19 20 40 96 69 65 42 64 66 65 24 28 38 31 54 25 57 26 26 37 42 50 51 36 65 40 24 27 35 38 50 24 57 30 30 34 66 37 24 30 62 67 49 51 69 103 42 45 105 109 54 60 7 11 35 70 51 57 22 23 24 25 26 27 28 29 12 15 2 45 42 17 10 18 43 7 15 3 46 43 17 11 23 34 29 30 56 41 23 33 59 40 35 63 39 27 35 63 76 45 37 73 40 32 39 75 85 45 50 77 45 40 40 104 98 47 62 104 35 43 42 98 107 54 71 96 32 41 49 117 57 66 92 32 46 56 52 57 86 32 46 48 43 37 85 30 25 43 71 78 76 30 38 83 22 12 34 46 43 23 36 70 15 10 35 41 34 16 53 60 3 10 37 68 12 3 43 62 15 12 39 51 6 11 15 29 16 41 52 11 15 9 15 3 42 45 15 16 41 16 19 48 43 17 18 36 35 21 60 84 42 43 40 109 26 53 42 18 27 49 46 58 9 4 57 34 55.7 MEAN 

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1, "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANI	r - o	ZÓNE	- CHEMI	LUMI	NESCE	NT						UNITS	- PA	RTS/B	ILLION	V							
	STA	TION	SW	NO	13021		MOE W	ATER	PUMPIN	STA	IM, T	DOLE	RD, N	ERLIN		MON.	тн - и	AUG	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	42	26	29	26	23	15	15	25	25	28	33	37	40	42	43	48	50	54	46	34	21	14	14	18	31
2	26	32	34	21	27	24	16	12	34	48	54	63	69	70	81	87	92	91	81	79	77	74	67	46	54
3	27	21	22	17	7	10	14	30	42	54	59	71	83	90	106	98	92	92	87	74	68	38	45	49	54
4	46	41	43	37	29	26	24	40	49	60	64	72	99	109	115	117	117	116	103	94	86	84	79	66	72
5	62	58	54	52	40	47	47	44	51	59	67	****	***		110	128	114	103	84	54	34	36	29	36	62
6	28	48	57	48	54	50	42	40	45	44	52	67	76	77	79	65	61	62	58	57	59	54	48	43	55
7	48	38	30	27	19	26	45	49	40	35	44	47	50	56	60	63	63	60	55	49	49	41	36	30	44
B	29	34	32	23	22	26	27	30	29	28	28	28	30	40	52	58	65	72	81	65	48	37	26	20	39
9	14	30	34	28	25	20	13	17	26	32	35	37	38	38	39	36	34	35	38	42	48	53	52	51	34
10	51	46	45	37	34	32	26	19	23	32	33	35	43	51	59	62	66	66	65	62	55	53	46	34	45
	29	25	20	18	15	15	18	23	31	44	48	54	65	68	77	76	65	70	41	34	34	32	27	28	40
11	24	20	18	16	16	12	5	10	19	37	43	55	61	62	64	70	74	86	88	76	70	7 1	56	51	46
13	57	51	44	33	26	29	32	30	31	36	46	51	59	62	64	54	59	62	64	61	55	54	51	48	48
14	46	30	34	32	31	24	26	38	43	39	42	44	50	57	59	65	65	62	63	43	30	21	15	17	41
15	15	15	12	14	15	11	7	10	25	33	40	41	40	40	41	42	43	46		33		***			28
16	24	18	21	41	47	54	40	23	32	43	50	54	58	62	64	64	65	67	60	59	54	51	45	42	47
				43	41	39	35	31	34	35	37	39	43	48	64	67	61	55	53	46	45	38	32	26	43
17	31	37	48			13	12		15	21	29	34	40	47	51	55	54	45	37	20	15	10	6	10	26
18	23	21	18	17	15	7	1 1	11	15	28	37	50		66	86	81	59	48	43	23	26	29	31	21	33
19	15	14	17	18	10	10	13	22		26	26	29		31	32	37	37	37	23	17	15	21	23	32	
20	16	16	15	10	10	1.0	1.3	22	26	20	20	29	30	31	32	57	37	37	23	10.00					
21	39	28	21	34	50	58	57	52	51	59	59	57	54	51	50	51	52	52	48	41	44	36	37	30	
22	26	28	25	12	7	9	9	15	26	29	30	32	42	59	69	90	66	49	33	51	51	45	40	40	
23	43	37	23	25	29	29	23	18	19	28	33	40	40	37	43	41	42	40	29	32	40	36	22	21	32
24	19	15	1.1	15	21	24	26	21	23	29	31	32	37	38	38	40	40	39	33	26	18	14	13	15	
25	12	15	14	7	9	8	4	1.1	20	29	33	35	37	38	40	40	41	43	40	28	21	22	24	25	
26	32	29	21	23	25	21	12	1.0	26	33	35	48	70	80	85	92	113	120	113	87	74	61	58	64	
27	44	43	45	37		27	27	28	30	36	44	62	7.4	79	81	82	82	75	71	68	66	63	57	51	
28	43	28	32	33		28	28	28	31	38	48	60	71	75	78	77	76	76	77	68	57	50	43	41	
29	40	37	35	27	23	21	21	27	28	23	23	21	23	26	34	36	54	56	52	42	39	37	23	12	
30	18	15	15	13	12	9	7	8	19	32	41	48	63	73	77	90	89	78	59	53	49	55	60	59	43
31	60	48	40	32	20	13	7	7	23	42	54	57	7.4	84	97	106	105	102	91	90	83	76	57	51	59
MEAN	33	30	29	26	25	24	22	24	30	37	42	47	54	59	66	68	68	66	61	52	48	44	39	36	42.8

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - DZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	ST	ATION	- SW	NO	13021		MOE W	ATER	PUMPI	NG 5	TAT,M	DDLE	RD, M	ERLIN		MON	тн -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	52	52	44	37	29	26	26	26	30	40	44	54	59	61	48	57	52	46	45	32					
2	26	33	23	20	1.7	22	27	32	33	32	34	43	57	62	70	7B	80	75	78	74	18	24 37	27	16	39
3	32	32	26	29	27	22	22	18	19	26	30	34	39	41	43	43	43	43	38	28			31	21	44
4	14	10	10	9	7	6	4	4	10	18	27	40	54	57	60	65	66	70	68	45	22	12	16	1.7	29
5	63	60	5.1	47	47	47	40	27	25	34	53	51	51	57	62	65	53	46	43	37	43	54	55	56	36
6	28	26	26	21	16	12	5	7	18	32	37	38	42	51	58	51	45	44	42		34	32	33	29	45
7	1.4	14	14	11	8	7	3	1	5	35	50	58	65	66	62	58	56	57	48	31	22	15	12	10	29
8	15	3	7	14	10	7	3	2	4	12	26	35	46	51	47	52	50	43		35	20	18	14	15	31
9	57	32	27	34	40	43	39	36	43	48	59	73	81	80	77	75	77	78	32	31	52	48	53	57	29
10	27	25	20	18	18	15	15	17	21	27	28	27	29	34	29	27	26		75	64	54	44	46	32	55
		-					1.0		- 1		20	21	23	34	29	21	20	23	21	18	17	19	16	12	22
11	13	8	1	4	7	8	1.1	16	17	22	30	34	37	37	39	41	44	41				1.2	1.1		
12	19	30	34	30	26	21	23	32	43	45	48	55	57	53	48	48	47	40	54	52	37	13	11	18	25
13	38	34	27	21	21	17	15	19	28	25	26	30	41	39	40	34	37	31	20	33	37	33	30	36	37
1.4	18	23	26	31	28	22	18	17	15	16	18		35	32	30	29	29		4	0	14	23	16	10	25
15	13	13	1.1	8	8	7	20	29	30	31	29	29	27	18		18	27	28	18	10	19	1 1	10	11	21
16	0	0	0	12	26	23	29	28	29	30	30	30	29	29	13	33	43	29	30	16	6	0	0	0	17
17	26	19	18	14	12	13	12	11	10	16	31	42	55	69		79		45	43	43	35	30	32	30	28
18	43	35	37	36	32	31	29	26	19	19	21	29	37	41	68 41	44	79 43	83	73	50	42	32	51	46	40
19	31	29	29	33	27	26	27	22	25	12	13	29	24					38	30	39	24	25	31	28	32
20	24	16	13	17	14	18	11	10	10	10	13	12	15	33	32	35	37	38	39	36	36	35	29	29	29
					6.7	10	10	10	10	10	13	12	15	25	25	26	19	12	4	5	14	13	1.1	12	15
21	15	10	7	6	4	8	4	4	5	6	4	9	12	19	16	10	10	13	19	25	25	23	16	16	
22	10	5	4	1	0	0	0	5	7	10		21	27	31	34	34	34	34	35	23	20	23	35		12
23	29	31	33	32	28	27	21	21	21	19	23	23	25	31	35	37	29	28	26	22	22	20	17	35	19
24	13	15	1.6	1.7	12	12	11	14	16	19	16	19	27	31	32	34	45	41	38	23	18	34	29	17	26
25	24	20	20	17	11	13	1.1	11	14	20	25	28	34	40	43	49	47	44	40	46	46	49	48		23
26	16	25	36	36	36	35	31	20	23	22	36	38	40	34	37	34	33	32	32	29	31	28	25	27	30
27	20	15	13	12	12	12	10	10	10	12	22	24	29	30	35	30			25.50		31			21	30
28	6	7	8	3	0	1	6	13	12	16	20	24	30	31	30	-			*				-		19
29	7	10	12	8	2	0	0	1	6	9	10	12	****	16	13	30	23	15	6	11					
30	13	16	17	18	15	7	8	9	10	22	28	35	37	44	48	51	23	8	11	3	11	10	10	13	10
MEAN	24	22	20	20	18	17	16	17	19	23	29	33	39	41	42	44	42	40	36	31	28	25	25	23	28.0

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 2.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

DATA INVALID - 19 24 32 29 25 25 29 25 29 25 25 29 21 21 18 17 16 15 14 10 13 19 19 16 15 15 17 17 15 12 15 15 15 15 15 15 16 15 15 11 3 2 6 18 11 10 7 6 9 9 6 7 9 16 22 24 23 20 21 32 30 22 9 7 4 15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 20 20 20 20 20 20 20 20 20 20 20 20 20	1 22 23 24 MEAN			77	OCT	TH -	MON	ď	MED: 11	Pn	IDDLE	TAT M	ING S	PUMP	WATER	MOF	1	1302	NO.	. 51	TATION	S	
DAY  1 19 25 27 31 31 16 11 12 6	1 22 23 24 MEAN							•							ACCOUNT NAME OF STREET								
2		21	20	19	18	17	16	15	14	13	12	1.1	10	9	8	7	6	5	4	3	2	1	
3			• • • •				••••	••••	• • • •			••••		6	12	1.1	16	31	31	27	25	19	
4 17 16 16 15 15 12 9 11 15 20 21 27 36 39 39 39 36 32 28 23 23 5 12 11 11 12 19 21 15 20 20 16 23 23 23 27 32 34 31 29 27 22 20 19 6 16 14 9 4 4 8 8 8 7 14 17 19 21 23 25 27 28 26 19 14 12 10 7 12 11 10 4 0 1 1 3 9 14 19 20 21 23 25 27 28 26 19 14 12 10 14 12 11 14 14 4 11 10 14 14 14 14 14 14 14 14 14 14 14 14 14								.ID -	INVA														
17 16 16 15 15 12 19 21 15 20 20 16 23 23 27 32 34 31 29 27 22 20 19 6 16 14 9 4 4 8 8 7 14 17 19 21 23 25 27 28 26 19 14 12 10 12 11 10 4 0 1 1 3 9 14 19 20 21 23 23 23 23 23 23 23 22 22 24 25 8 14 12 11 14 14 4 1 10 10 10 10 10 10 10 10 10 10 10 10 1	0 19 19 18 20	20	21	21	24																		
10 11 11 12 19 21 15 20 20 16 23 23 27 32 34 31 29 27 22 20 19 16 16 14 9 4 4 8 8 7 14 17 19 21 23 25 27 28 26 19 14 12 10 7 12 11 10 4 0 1 1 3 9 14 19 20 21 23 23 23 23 23 22 23 24 25 14 12 11 14 14 4				28	32	36	39	39	39														
10			20	22	27	29	31	34	32														5
B 14 12 11 14 14 4			12	14	19									0.00		В	В						7
DATA INVALID - 19 24 32 29 25 25 29 11 27 26 23 22 21 21 18 17 16 15 14 10 13 19 19 16 15 15 17 17 15 15 15 15 15 15 15 15 15 15 15 15 15		25	24	23	22	23	23	23	23	21							1						
10							• • • •		* * * * *	****		****	• • • •		••••		- 4	14	14	11	12	14	
11 27 26 23 22 21 21 18 17 16 15 14 10 13 19 19 16 15 15 17 17 15 12 15 15 15 15 15 15 15 15 15 15 17 17 15 13 11 10 7 6 9 9 6 7 9 16 22 24 23 20 21 32 30 22 9 7 4 15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 17 17 15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 20									INVAL					over the second	1140.100.111.111		1414 (1114 1117)	No. of Contract					
12 15 15 14 12 11 10 12 14 14 15 15 15 15 16 15 15 11 3 2 6 13 11 10 7 6 9 9 6 7 9 16 22 24 23 20 21 32 30 22 9 7 4 1 1 1 1 1 1 0 0 0 0 1 7 16 20 22 28 31 37 30 25 25 15 17 20 15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 20	25 27 28 *****	29	25	25	29	32	24	19	• • • •	****		••••	• • • •	••••	••••	••••	••••	••••					10
12				4.90	4.5	15	16	10	+ 0	13	10	14	15	16	17	18	21	21	22	23	26	27	
13 11 10 7 6 9 9 6 7 9 16 22 24 23 20 21 32 30 22 9 7 4 1 1 1 1 1 0 0 0 1 7 16 20 22 28 31 37 30 25 25 15 17 20 15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 20																					15	15	12
14 1 1 1 0 0 0 1 7 16 20 22 28 31 37 30 25 25 15 17 20 15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 18															7			9		7	10	1.1	13
15 16 14 11 10 3 2 4 6 8 9 10 14 7 10 13 19 20 17 17 15 9	7 4 7 9 19																	0	1	1	- 1	1	1.4
																		3	10	11	14	16	15
																9	10	10	10	10	10	10	16
17 21 21 21 21 21 21 21 22 22 22 22																			21	21	21	21	17
18 14 14 13 14 13 0 10 11 11 12 20 20 21 23																			14	13	14	14	18
19 0 0 0 0 0 0 0 0 0 0 12 12 7 4															2	0	0	0	0	0	0	0	19
20 1 4 5 3 0 0 0 0 0 0 1 1 2 2 2 17 12 8													4					0	3	5	4	1	20
25 32 30 30 37 24 17 18 19	9 20 17 11 14	19	18	17	24	39	30	36	32	20			-	,		-		0.55	-	-			
21 13 13 14 14 14 7 6 8 11 16 22 31 40 38 44 48 46 40 34 34 31		2.4	24	24	40	46	48	44	38	40	31	22	16	1.1	8	6	7	14					
22 21 19 16 15 12 10 7 8 12 13 17 20 21 22 23 24 23 23 24 37																	10	12	15	16	19	21	
23 18 15 14 13 12 11 11 13 17 21 22 22 23 21 21 21 20 20 22 23												22	21	17	13	1.1	11	12	13	14	15	18	
24 17 15 13 11 9 7 6 2 4 10 14 21 28 34 43 44 34 30 30													10	4	2	6	7	9	1.1	13	15		
25 25 23 22 23 22 19 16 16 18 20 22 22 26 29 31 20 20 24												22	20	18	16	16	19	22	23	22	23	25	
26 7 4 5 13 15 9 4 2 4 8 12 18 24 16 14 22 29 19															2	4	9	15	13	5	4	7	
27 0 0 0 0 0 0 0 0 1 4 10 20 28 28 17 14 15 12													4	1	ō	0	0	0	0	0	0	0	
28 5 6 8 14 16 11 5 0 4 9 23 25 25 28 30 30 27 24 3			4										9	4		5	11	16	14	8	6	5	
29 8 6 6 5 3 0 0 1 5 9 13 15 17 18 20 22 19 14 6			8											5	1		0	3	5	6	6	8	
30 7 6 4 4 4 4 7 9 13 17 25 27 31 31 32 30 29 24 23 26 23															9	7	4	4	4	4	6	7	30
31 22 16 15 18 20 16 15 17 18 18 18 23 29 29 30 28 26 25 19 15 13		13	15	19	25	26	28	30	29	29	23	18	18	18	17	15	16	20	18	15	16	22	31
MEAN 13 12 11 11 11 9 8 8 10 14 17 20 24 25 26 27 26 22 18 16 15	, ,, ,, 19			1.6																			MEAN

PERCENTAGE OF DATA VALID - 86.2 PERCENTAGE OF DATA INVALID - 12.1

PERCENTAGE OF DATA UNAVAILABLE - 1.7

- 2. \*- \* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - PARTS/BILLION POLLUTANT - OZONE-CHEMILUMINESCENT STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA 24 MEAN HOUR 18 10 19 22 17 6 10 21 10 6 21 13 2 12 12 18 13 17 19 8 16 21 14 17 8 2 21 12 14 7 0 10 5 12 17 20 12 13 14 15 16 17 18 19 20 10 19 23 21 17 10 17 25 19 18 17 16 21 17 18 17 14 19 16 18 14 14 12 14 14 13 17 16 14 17 14 24 14 13 9 17 15 14 18 16 8 12 11 8 11 18 17 15 15 12 17 12 14 17 18 14 14 15 17 14 17 10 11 15 18 15 22 23 24 25 26 27 28 29 26 0 0 30 0 6 3 0 18 ò DATA INVALID DATA INVALID INVALID DATA INVALID rage politics when here have have some some para dank mark have weak when were dank and 20 \*\*\*\*\* MEAN 1.1 

PERCENTAGE OF DATA VALID - 79.4

PERCENTAGE OF DATA INVALID - 20.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA MONTH - FEB HOUR В 1.1 24 MEAN 17 0 10 27 12 - 3 4 - 5 6 7 8 9 10 19 13 27 26 17 10 11 16 18 25 11 11 23 18 5 26 15 14 10 8 28 14 29 20 19 26 22 17 13 19 0 8 21 16 13 40 21 13 14 40 0 0 5 38 12 13 14 15 16 17 18 19 20 19 18 18 22 23 19 0 0 16 15 20 21 21 12 7 19 28 17 19 18 21 23 19 5 20 28 12 18 18 17 12 19 5 6 26 4 6 8 17 14 13 21 21 28 21 19 18 25 21 18 24 14 0 19 28 19 19 23 12 0 18 26 20 17 12 21 13 20 18 15 10 4 18 26 25 26 15 7 24 14 27 19 24 19 18 24 5 26 9 24 19 6 29 23 0 19 26 21 27 26 23 26 18 20 28 23 26 21 1 1 17 19 20 21 27 21 14 21 2 24 12 13 22 22 28 4 24 19 9 23 24 25 26 26 3 16 3 16 17 15 13 14 20 22 21 25 23 21 24 26 23 26 12 24 22 32 29 31 18 26 26 31 30 32 31 31 25 30 21 28 5 14 15 30 30 MEAN 15.3 

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/RILLION

	ST													UNIT											
		MOITA	- SW	NO	14049		156 V	ICTO	RIA S	T NORTH	H SA	RNIA				MON	тн -	MAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		17	18	19	20	21	22	23	24	MEA
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4	14	12	1.1	11	13	17		1	5	8	13	16	16	12	10		7	7		3	1	0	0	1	
5	17	13	10	5	3		17	14	12	17	20	17	15	14		6	6	13	12	12	17	14	12	14	
6	21	23	22			2	15	20	18	21	25	28	26	23	21	20	19	17	15	8	1	2	11	17	
7	15	17		23	23	21	21	23	26	27	27	28	30	29	27	26	24		21	20	21	20	21	22	
8	3	0	19	19	17	15	12	8	6	8	16	25	26	27	27	27		21	19	17	13	14	14	14	
9			0	0	0	C	0	0	1	6	10	13	19	15	17	15	26	18	12	4	3	3	6	10	
0	6	9	1	6	2	1	3	2	3	11	17	26	32				14	1.2	8	13	8	18	11	8	
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6	27	28	28	20	21	23	19	17	13	21	24	27	32	37	42	46	41	45	43	37	29		3	1	
7	26	28	28	24	14	19			21	23	28	32	33	32	30	28	27	22	22	23		25	39	25	
8	30	30	30	31	31	30	15	11	22	• • • • •	• • •	32	33	35	35	33	26	26	16		26	25	21	26	
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0	22	25	26	33	21	15	9	8	14	20	28	31	38	38	45	50	50	44		34	32	29	28	26	
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5		36	35	36	36	36	32	28	30	34	35	34	36	35	36		24	28	36	34	34	34	35	35	
Š	23	21	23	26	30	28	21	16	29	32	33	32	32	29		35	32	31	30	29	30	28	26	30	
7	11	5	4	1	1	1	3	10	26	28	33	36	40	40			26	25	24	18	16	10	13	9	
3	30	29	28	28	30	28	20	17	21	25	30	37	44	43	42	35	40	37	34	24	20	24	27	23	
	45	49	50	50	50	45	39	30	29	31	27	26	23		44	48	43	37	26	27	29	27	35	40	
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														23	30	29	29	28	24	21	21	19	19	18	2

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	POLLUTANT - OZONE-CHEMILUMINESCENT UNI																							
		ATION			14049				rapra reco					UNITE	- РД	ARTS/E	BILLIC	IN							
*****					14049		156	VICTOR	IA S	NOR	TH S	ARNIA				MON	ITH -	APR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
2 3 4 5 6 7 8 9	10 26 26 24 1 32 18 33 9	10 23 24 18 21 31 19 30 9	1 16 26 13 12 31 17 29 4	2 18 35 18 23 30 13 30 0 18	3 21 34 27 26 33 13 30 0	2 17 33 30 19 31 9 32 1	3 18 33 31 21 26 5 32 1 7	11 18 33 28 19 24 8 30 6	24 21 35 28 17 24 9 31 23 21	31 23 35 28 18 26 4 30 30 26	22 37 26 19 29 6 31 34	27 24 38 29 25 34 7 33 36 32	27 23 37 21 30 30 14 38 41 30	30 15 38 25 31 30 10 38 40	32 31 38 23 30 10 38 36	38 29 39 20 32 29 20 38 33	30 27 38 17 33 28 25 38 30	32 22 38 19 32 27 26 37 22	29 7 35 21 33 26 26 30	16 18 30 23 33 26 27 23 18	20 16 18 19 24 25 26 21 23	21 24 13 17 25 21 30 18 23	18 43 9 7 31 16 32 16	26 40 13 1 31 18 32 6	19 23 31 21 25 27 17 30
11 12 13 14 15 16 17 18 19 20	2 34 2 35 26 7 0 28 25 3	0 21 5 35 19 2 0 32 21 9	0 12 9 34 21 2 0 34 19	0 19 30 32 27 8 0 30 8 16	0 21 38 31 27 11 0 25	0 20 40 30 21 13 0 23 6	1 21 15 27 18 9 21 3	2 26 11 24 16 4 7 9	9 34 15 21 16 4 37 16 18	21 47 30 25 18 9 55 30 34	30 58 42 26 22 62 50 51 28	43 63 57 28 24 35 47 48 67	69 61 61 27 28 16 51 76 43	35 71 62 61 27 30 20 54 56 87 63	78 70 60 28 27 22 55 62 32 74	38 75 68 48 28 23 31 47 67 42 67	35 76 62 38 27 19 35 42 62 67 45	35 75 64 40 26 16 35 33 56 58 75	28 74 64 40 26 16 31 13 57 69 72	19 67 29 37 20 16 24 1 38 82 69	14 54 19 37 15 18 4 3 19 62 48	13 28 9 36 16 11 0 21 33 26 38	13 33 6 36 17 10 0 33 21 16 25	32 3 36 20 11 0 33 28 16	21 35 37 34 26 20 16 24 37 38
21 22 23 24 25 26 27 28 29 30	31 18 26 17 22 16 0 33 0 2	19 13 23 15 21 16 0 25 2 3	11 6 23 15 15 17 0 23 0	11 4 24 18 25 28 0 27 11 1	13 4 21 18 25 30 0 30 8 2	20 1 21 15 18 11 0 30 4 6	18 1 21 19 9 6 3 29 5	16 1 23 21 15 13 6 28 10 23	24 21 23 22 11 29 25 30	23 18 21 26 27 16 31 9	28 13 18 24 26 29 16 31 34 51	35 10 16 25 27 31 23 31 37 55	45 15 14 27 26 30 26 33 42 55	40 13 14 29 28 29 33 33 41 60	41 14 14 27 24 28 35 33 40 65	37 15 16 30 23 26 30 29 41 58	26 16 17 30 26 30 35 33 43 43	28 18 18 25 21 30 31 33 39	35 21 16 27 20 18 40 29 36 31	17 24 16 27 22 11 49 28 22 34	18 21 18 26 18 0 18 29 18	11 26 9 30 12 0 5 26 5	12 28 16 26 16 0 35 26 2	28 13 25 16 30 20 0 33 15 4 30	33 24 14 18 23 21 19 19 29 20 30
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PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE · CHEMILUMINESCENT

UNITS - PARTS/BILLION

																	ILLLIO	N							
	S	TATIO	N - S	W NO	14049		156	VICTO	RIA S	T NOR	H S	ARNIA				MON	тн -	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	23	23	31	30	5	10	20	23	27	33	35	40	43	45	48	46	43	33	21					
2	19	17	19	17	15	15	21	25	28	28	27	33	37	36	36	37	36	35	27	25	11	16	21	19	3
3	25	15	27	19	3	9	28	42		21	37	45	49	40	39	41	39	42			17	18	25	29	
4	17	5	8	20	19	23	24	20					49	57	48	59	78	87	41	33	39	23	27	20	
5	17	11	17	1.1	7	9	7	7	21	26	33	103	134	71	65	41	42		58	43	25	22	21	33	
6	3	15	15	16	15	24	25	25		57	65	71	80	78	79	81	81	32	29	21	21	13	0	1	
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8	33	31	29	24	19	15	16	18		18	18	29	39	75	101				47	35	39	43	35	28	
9	12	17	21	22	27	27	23	21	22	23	22	24	23	20		69	36	39	29	11	14	9	1	6	
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5	53	49		39				25		46	63	58	94	128	168	113	127	118	71	67	53	37	47	57	
6	13	7	46 37	45	18	6	13	28	49	56	62	81	101	120	90	75	77	58	55	42	49	33	13	12	
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8		3	3	2	3	4	7	1.1	21	37	21	25	30	34	31	32	34	37	36	19	7	12	27	19	
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2	26	25	25	25	24	21	13	20	26	25	26	25	26	27	27	29	29	30	29	17	3	1	0	23	
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AN	20		19	18	15	14	14	18	24	31	37	45	49	51	49	47	48	45	38	31	26	24	20	20	31

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL															RTS/B	ILLIO	N							
	STA	NOITA	· SW	NO	14049		156 V	ICTOR	IA ST	NORT	H SA	RNIA				MON	тн -	AUG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
-1	23	21	20	18	14	12	10	11	13	13	15	16	18	20	21	20	22	20	24	20	12	В	8	8	16
2	4	5	10	13	9	4	4	1.1	1 1	20	28	43		29	47	53	55	59	54	42	38	40	43	47	29
3	45	40	32	17	19	4	1	3	21	20	31	50	62	74	100	77	54	68	29	40	43	34	17	22	38
4	25	10	3	0	0	0	1	4	11	17	31	39	63	68	102	73	83	71	55	65	54	56	47	44	38
5	49	49	46	35	20	12	24	26		42	49	52	59	60	73	74	64	52	41	20	37	39	35	33	43
6	30	30	28	29	20	13	18	28	35	33	37	37	35	34	32	31	30	30	29	27	23	18	13	13	27
7	9	4	3.1	11	11	9	15	21	22	16	40	49	49	52	52	56	59	56	52	40	42	42	37	30	33
8	29	30	29	23	9	7	5	10	12	11		20	27	44	56	50	51	54	50	41	30	39	35	37	30
9	30	28	27	23	15	В	8	18	21	23	24	23	26	28	25	20	22	24	37	31	28	29	25	30	24
10	30	28	23	6	1	12	5	4	4	3	12	30	40	44	46	56	65	51	37	22	3	3	5	16	23
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14	2	1	8	15	23	25	20	20	20	20	20	19	20	20	21	20	20	18	16	7	1	1	4	5	14
15	6	4	1	1	1	0	1	5	16	20	25	26	27	27	26	22	22	20	16	8	9	8	7	8	13
16	11	14	16	19		13	9	18	15	8	16	10	13	8	13	23	25	32	35	30	13	13	13	24	17
17	30	30	28	23	4	6	10	8	13		18	18	18	19	24	25	25	20	22	18	16	14	12	12	18
18	1.1	9	5	6		0	1	4	6	8	11	13	15	15	15	13	15	17	1.3	3	1	2	3	5	В
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20	6	3	1	2	0	4	4	6	7	13	20	23	28	28	28	27	25	23	22	16	13	10	9	15	14
21	18	18	18	20	18	16	16	22	25	28	30	25	21	24	15	15	21	15	17	11	13	18	23	27	20
22	22	20	21	20	13	4	5	В	10	12	13	14	20	23	27	29	30	32	35		10	1	0	0	16
23	1.1	20	18	16		18	В	10	14	19	19	20	24	23	21	18	20	20	18	19	20	22	19	19	18
24	18	18	18	23	27	16	4	7	11	17	19	23	25	24	24	23	22	24	21	В	0	0	1	0	16
25	0	8	2	0		0	1	4	9	23	22	23	28	28	28	27	25	25	20		18	10	7	6	14
26	11	13	14	13		1	1	6	16	22	33	39	44	46	52	54	52	66	66		61	49	42	41	34
27	40	31	23	8		4	2	2	2	6	16	23	56	79	75	78	60	49	39		16	18	17	20	28
28	15	4	1	1	6	1	2	5	9	26	34	59	66	68	62	43	42	32	32		13	7	4	10	23
29	17	В	1	2		3	13	9	11	12	13	16	23	25	23	23	25	28	29		25	23	19	18	16
30	18	17	14	13	12	5	4	4	11	14	16	18	20	20	22	22	25	26	21	8	11	19	20	18	16
31	25	27	28	24	20	1.1	4	12	25	30	32	35	52	51	57	66	68	61	55	51	49	38	24	28	36
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PERCENTAGE OF DATA VALID - 97.7 PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA MONTH - NOV 77

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 1

			3.8	14.0	14043		150		HIM 5	NON	In 34	KNIA				MON	4TH - 1	VOV	77						
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6	7	7	7	7	7	6	6	2	2	3	5	5	7	7	8	8	7	5	4	3	4	5	2	3	5
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12	22	23	23	27	28	29	26	24	23	24	24	24	25	25	25	24	22	21	20	20	21	22	23	24	24
13	26	25	24	25	25	25	24	23	20	21	24	26	29	28	28	26	23	18	17	20 16	11	- 2	4	7	21
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18	12	1.1	10	10	1.1	1.0	10	10		15	14	14	12	12	12	11	10	10	9	9	10	10	10	11	11
19	12	10	9	10	8	8	7	6	7	11	12	17	20	20	20	20	11	6	4	3	2	2	4	5	10
20	10	1.1	12	12	13	13	12	12	13	14	15	14	11	9	10	10	11	13	15	18	21	17	8	7	13
21	7	5	8	22	18	18	17	16	14	15	15	16	18	19	22	21		13	13	13	11	12	12	12	15
22	13	12	9	10	1.1	9	7	6	4	5	9	14	17	15	14	10	7	5	4	5	6	5	12	3	9
23	3	4	5	3	2	4	4	3	3	4	5	4	3	3	3	0	0	o	o	ő	o	ő	ő	ŏ	2
24	0	2	1	2	3	3	2	2		6	10	1.1	12	13	14	17	18	16	15	11	11	12	12	13	9
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26	28	28	28	28	28	28	28	27	27	27	26	26	25	24	23	20	17	16	14	16	20	20	21	21	24
27	19	19	17	15	13	13	15	10	9	3.1	17	16	18	18	17	17	19	20	23	19	17	17	12		16
28	5	3	0	0	0	0	0	0	2	4	6	10	15	15		18	11	6	-6	Я	9	10	B	9	6
29	10	5	3	3	0	0	0	0	2	3	6	1.1	19	20	19	17	5	3	6	8	ő	10	8	ő	5
30	0	0	0	0	0	1	1	1	0		1	1	1	2	2	1	1	ō	ŏ	ŏ	0	o	ő	ŏ	1
MEAN	9	9	9	9	10	10	10	8	8	10	11	12	13	13	13	13	10	8	7	7	7	8	8	8	9.5

PERCENTAGE OF DATA VALID - 97.9

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA MONTH - DEC 77 HOUR В 11 12 24 MEAN DAY 17 14 6 15 31 23 15 15 14 29 25 1 5 16 6 0 0 15 16 27 13 28 29 11 21 23 15 18 25 13 29 32 12 20 21 16 18 24 13 28 31 11 20 19 19 18 21 15 23 29 9 16 22 12 15 17 19 19 21 7 16 20 11 7 11 23 8 2 1 27 25 7 8 13 8 2 0 28 25 6 8 12 6 3 4 5 6 7 8 9 20 8 18 30 20 15 19 30 28 11 14 11 19 20 1 28 14 26 28 11 20 20 11 13 18 26 20 5 12 13 17 18 28 28 10 12 12 22 18 1 8 7 9 11 7 19 18 1 9 15 26 14 24 26 10 17 20 18 13 22 23 6 12 26 7 2 9 0 28 10 8 13 0 30 8 5 20 0 15 12 13 14 15 16 17 18 19 2 1 2 2 4 4 0 11 0 0 3 0 14 12 0 11 0 7 1 0 1 10 2 0 0 3 1 2 3 9 16 8 2 7 2 1 3 4 8 20 2 2 0 4 1 0 0 2 0 0 15 0 7 0 0 3 0 0 15 0 0 4 2 0 15 0 1 0 0 0 6 3 0 12 0 1 3 4 0 2 3 2 12 6 1 0 1 2 13 13 0 17 0 0 7 0 8 12 0 6 0 0 1 11 13 0 18 3 1 16 5 8 16 8 1 11 12 0 10 13 0 18 2 1 12 0 1 15 1 0 22 23 24 25 26 27 28 29 1 0 28 22 12 4 1 2 29 21 17 7 10 28 22 21 1 18 11 28 22 23 12 9 27 23 0 0 0 10 24 13 12 0 0 11 2 2 0 27 21 15 10 2 6 28 21 19 10 5 8 28 21 20 13 27 4 3 7 0 1 2 7 2 3 6 19 9 16 2 3 2 20 10 13 3 0 0 4 25 22 12 6 8 0 10 28 11 16 1 17 20 11 4 9 0 23 28 21 18 29 23 10 28 21 20 5 6 8 11 14 20 10 6 22 13 21 12 13 0 0 11 MEAN 9.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

			- SW		14118			M I CH	FUMP	31H H	WY 21,	PET	HULIA			MON	тн -	FEB	77						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		2		200		-				- 00	·		2			32	32			27					
2	28	28	22	14	16	16	12	18	8	14	19	24	23	25	26	26	29	29 29	26	21	30	26	28	29	****
3	19	14	10	6	8	10	7	10	6	14	23	26	29	29	29	30	28		30	30	25	26	21	19	- 2
4	14	19	23	23	24	23	21	18	17	22	30	39	52	48	43	37	32	28	26	22	21	16	10	13	3
5 6 7	30	30	32	32	32	31	31	31	31	30	30	30	31	31		31		32	32	29	23	24	29	31	- 3
6	29	29	29	29	29	29	28	26	26	27	28	30	31		31	31	31	31	31	30	29	29	26	26	
	28	28	28	27	26	24	24	21	18	23	28	30	32	31	31		31	26	22	20	22	19	17	25	- 1
В	13	10	8	6	3	3	3	3	7	14	19	26	28		34	35	34	26	29	16	19	22	21	17	- 1
9	12	9	8	7	4	6	6	7	13	18	22	25		32	34	34	34	30	25	34	40	35	23	19	
10	26	29	26	21	19	19	14	11	12	21	33	43	21	22	27	27	26	15	7	5	6	9	8	12	11
				•	1.5			3.5	12	21	33	4.3	51	57	• • • •	52	52	51	49	47	44	39	34	25	
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12	6	3	0	0	0	0	0	3	9	16	21	22	21	23	24	22	15	14	18	11	16	15	13	10	
13	8	11	5	6	4	1	4	4	6	11	13	14	16	16	17	17	15	16	19		23	22	18	4	
1 4	22	19	20	19	19	21	21	17	18	22	23	23	24	24	25	26	26			19	19	22	23	24	
15	25	25	25	26	25	24	22	22	22	27	27	27	27	27	27	27	25	28	27	26	27	26	25	26	
16	13	8	10	9	16	20	18	11	14	23	26	28	29	29	29	31	29	25	25	25	22	14	12	7	
17	10	8	5	5	8	9	7	4	6	9	14	18	19	21	22	24	21	28	26	22	14	9	11	11	
18	20	18	17	15	14	1.1	1.1	1.1	11	13	16	19	21	20	17	15	14	25	22	19	22	23	22	20	
19	2	14	21	22	22	22	20	18	18	22	22	23	26					4	0	0	0	0	0	0	
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2 2	25	24	18	15	16	19	19	14	14	18	17	16	25	28	29	31	27	23	22	20	26	22	27	26	
23	26	23	19	14	9	7	11	14	18	19	20	21	26	30	32	34	32	27	25	22	22	23	22	20	
4	19	20	21	22	24	25	27	29	31	32	31	29	34	35	36	19	16	17	18	7	6	18	21	14	
25	19	19	19	23	25	25	14	13	25	22	24	26	26	28	29	29	32	29	25	25	26	26	22	21	
26	22	22	25	27	28	28	29	27	28	29	32	31	32	25	25	23	32	32	27	22	32	29	29	36	
7	33	32	26	22	20	В	9	17	20	22	23	26	26	27	29	28	29	24	27	32	29	26	30	23	
8	23	26	20	10	7	20	19	18	16	21	28	29	30	30	31	32	32	29	24	11	10	7	21	18	
AN	20	20	19	17	17	17	17	16	17	20	24	26	28	29	29	29	28	26	24	22	22	21	21		
																				22	22	2 1	21	20	22
DOENY		F DAT					12		NTAGE	22 27 7000				. 1					DATA						

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LUTAN	T - 0	DZONE	- CHEM	LUMI	NESCE	NT.					ι	JNITS	- PA	RTS/B	ILLIO	N.							
	STA	TION	· SW	NO	14118		PUC W	ATER	PUMP	STN H	IWY 21	, PE	TROLIA			MON	тн - 1	ИAR	77						
HOUR DAY	í	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	19	13	5	7	14	24	27	28		29	32	32	32	32	32	31	29	25	22	20	14	11	11	22
2	11	13	15	13	9	9	8	7	11	15	19	28	27	28	32	27	21	21	19	14	9	0	0	0	15
3	0	0	0	0	0	0	1	4	9	11	14	19	20	19	20	20	14	18	22	21	20	14	15	19	12
4	16	12	12	13	1.4	18	22	22	22	22	22	21	22	22	19	18	13	6	5	2	2	1	0	ő	14
5	2	3	0	0	2	4	3	2	4	2	4	8	9	6	6	5	4	4	4	4	4	4	4	15	4
6	20	19	19	19	19	19	17	18	19	21	19	22	22	25	25	23	21	21	20	22	21	16	14	14	20
7	13	13	18	18	14	14	11	9	9	9	13	19	19	19	19	21	21	19	14	13	14	16	19	16	15
8	12	9	1	0	0	0	0	4	10	14	16	18	19	22	27	26	27	25	22	19	24	29	33	32	16
9	31	28	26	24	22	21	21	22	24	29	30	32	38	43	47	50	55	56	53	46	46	42	36	35	36
10	29	24	19	16	15	12	9	9	11	••••	19	23	31	42	47	56	61	60	49	44	49	47	39	40	33
11	42	42	45	51	52	47	52	52	49	47	44	45	54	62	65	67	69	67	56	51	52	51	62	62	54
12	52	43	40	37	34	31	24	22	19	19	19	19	20	20	20	22	22	23	22	22	24	23	21	19	26
13	18	16	19	18	16	6	14	15	19	24	30	33	36	33	31	31	25	16	14	13	12	1.1	2	1	19
14	1	3	- 1	1	0	0	0	1	3	6	10	19	22	24	28	32	31	29	24	17	19	11	23	11	13
15	6	5	4	6	8	8	7	7	11	17	23	26	27	28	32	32	33	18	16	14	15	10	2	4	15
16	10	9	8	7	5	4	5	5	5	5	5	7	4	5	6	5	4	4	4	14	22	22	23	24	9
17	25	24	23	21	20	17	20	18	20	31	22	22	22	39	40	40	38	38	39	33	40	34	33	32	29
18	31	32	30	32	30	29	24	22	21	25	28	28	34	35	37	39	39	39	40	39	39	39	39	38	33
19	36	34	30	25	20	16	14	13	25	41	75			48	37	43	47	43	41	34	41	41	36	36	35
20	34	34	36	35	33	30	29	28	30	29	29	29	30	36	42	47	50	47	43	35	28	24	25	33	34
21	27	20	17	17	14	13	9	17	26	28	31	45	50	51	54	54	47	42	43	40	35	33	35	34	33
22	32	28	31	38	40	39	40	40	41	39	37	36	38	39	40	41	42	43	42	42	41	32	25	8	36
23	16	9	20	20	17	12	10	17	22	27	28	32	32	25	20	15	36	39	41	40	40	39	39	40	27
24	40	40	40	39	39	37	36	38	39		41	41	43	43	43	43	43	43	42	41	41	41	41	39	41
25	36	38	36	40	40	40	39	35	38	40	41	41	43	43	43	42	42	41	41	39	37	36	36	29	39
26	27	28	29	27	26	22	23	28	35	39	42	45	48	50	50	51	49	47	41	35	33	41	40	36	37
27	38	41	41	39	39	36	32	28	30	31	32	43	54	53	50	53	50	45	40	43	43	45	48	54	42
28	47	50	61	62	56	47	43	43	43	42	40	41	41	45	49	43	41	49	54	38	32	30	27	30	44
29	50	47	55	55	53	53	52	52	52	53	54	58	67	76	81	85	83	76	71	63	50	44	43	41	59
30	41	44	49	36	36	36	28	32	••••	••••	• • • •	••••	9	•					4.	•			*		• • • • • • •
31												91	DATA	INVAL	10 -										
MEAN	25	24	25	24	23	21	21	21	23	26	28	30	32	35	36	37	37	35	33	30	29	27	27	26	28.0

PERCENTAGE OF DATA VALID - 94.0 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 1.7 NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNIIS - PARTS/BILLION

	STA	TION	- SW	NO	14118		PUC	WATER	PUMP	STN HWY	21.	PET	ROLIA	ĺ		MON	TH -	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	45	37	35	28	19	21	22	19	17	24	24	30	29	26	26	30	38	39	38	22	~.	20	22		7:
2	29	28	19	18	15	18	19		17	1.7	20	24	24	25	26	27	29	31	27	33 26	31	39	37	35	30
3	1.1	3	2	3	2	3	9	14	23	26	31	33	37	45	47	56	66	71	56	69	16 50	11	3	6	21
4	20	23	28	25	22	17	16	17	22	32	60	79	83	90	95	107	99	89	86	81	78	63	30 43	26	31
5	65	72	74	72	70	68	70	68	65	54	49	55	61	61	60	56	51	48	42	40	37	29	33	50 40	55
6	41	38	37	26	20	22	26	29	34	29	25	26	29	30	33	38	36	36	37	38	38	40	40		56
7	35	34	32	31	33	34	33	33	33	33	32	33	36	36	37	37	37	35	36	35	17	13	10	40	33
8	15	17	1.7	6	5	6	10	11	13	18	21	27	31	29	29	28	23	38	38	34	33	30	26	14	31
9	29	30	31	31	33	33	31	30	29	26	24	24	24	24	24	24	24	26	26	24	20	17	17	29	22
10	19	19	19	18	17	19	22	26	27	29	31	30	30	29	29	27	27	28	27	22	16	15	17	17	26 23
11	15	11	9	8	9	10	15	21	29	35	42	45	51	55	56	53	47	20	~ ~			-	-		
12	47	49	43	33	42	61	56	46	47	50	52	56	51	34	31	32	33	39 26	38 26	29	28	26	20	42	31
13	22	22	22	19	1.7	13	11	13	14	18	20	22	26	28	31	29	29	29		26	26	26	24	22	39
14	24	24	24	24	22	20	22	22	24	26	28	29	33	33	35	36	36		28	28	26	23	22	24	22
15	30	29	26	24	22	20	19	24	28	31	34	36	36	38	40	40	38	35 38	34	32	29	20	20	21	27
16	6	6	10	21	29	27	29	35	47	54	57	63	88	88	101	106	102		35	31	28	22	6	6	28
17	71	68	74	58	58	54	49	49	65	72	77	92	90	85	81	82	85	97 81	112	109	111	92	84	78	65
18	22	13	38	48	40	38	40	33	40	41	49	54	63	65	65	65	67	63	82	68	54	37	22	20	66
19	31	30	32	26	24	24	29	33	42	45	45	47	50	50	52	52	50	47	66	59	52	48	43	31	48
20	12	15	19	111	7	10	35	28	33	49	52	55	54	42	41	40	37	39	45	37	29 34	22	6 21	13	36 31
21	5	7	15	15	16	24	29	31	32	33	35	38	40	43	42	40	42	45	43	33	12	11	8	18	27
22	26	31	22	15	9	13	12	29	33	36	39	45	46	46	44	42	42	42	41	33	18	19	22	16	30
23	1 1	6	9	3	3	3	7	18	26	35	40	42	45	58	86	97	87	68	64	54	44	42	56	61	40
24	55	48	47	46	40	37	34	32	35	42	68	71	81	112	134	110	86	93	89	79	96	75	62	59	68
25	59	40	22	19	26	45	38	56	70	74	77	73	68	62	64	66	64	64	57	53	44	42	46	42	53
26	42	35	24	17	10	7	1.1	27	33	38	40	44	48	49	50	58	63	65	49	38	61	71	70	74	43
27	74	73	64	50	45	45	51	60	76	78	86	92	97	100	85	81	74	72	79	97	88	86	70	70	75
28	70	69	63	61	38	35	31	32	34	38	44	58	84	• • • •		127	146	143	136	111	109	59	49	49	72
29	56	46	39	40	34	30	23	24	29	30	31	36	40	41	43	42	40	40	39	33	26	17	13	10	33
30	13	17	9	13	В	6	13	20	38	46	48	47	45	46	50	54	61	64	68	58	54	51	43	35	38
MEAN	33	31	30	27	25	25	27	30	35	39	43	47	51	51	53	56	55	54	53	48	44	37	32	33	39.9

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

HOUR 1 2 3 4 5 6 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21 22 23 24 MAAN-  HOUR 2 1 2 3 4 5 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MAAN-  1 2 5 2 9 2 9 3 3 39 33 22 25 28 29 39 45 45 5 5 0 5 4 5 8 5 7 5 6 5 0 42 2 6 21 32 32 37 37 38 32 23 22 11 9 19 19 19 19 19 19 19 19 19 19 19 1		PC	LLUT	ANT -	OZONI	E-CHEN	I LUM	NESC	ENT						UNITS	S - P/	ARTS/	BILLIC	)N							
1 25 29 29 33 39 33 22 25 28 29 39 45 45 50 54 58 57 56 50 42 26 21 32 32 37 36 33 36 33 34 32 29 28 22 28 35 40 48 74 80 75 73 80 87 88 85 83 81 88 66 58 56 42 47 40 20 18 7 15 26 31 38 47 76 76 70 80 102 88 106 102 86 46 80 56 56 56 42 47 40 20 18 7 15 26 31 38 47 51 52 98 99 134 93 93 68 33 17 14 17 14 66 65 63 51 40 17 15 6 12 15 29 36 52 65 79 88 95 10 10 28 81 06 102 86 63 51 40 37 17 18 8 8 80 83 81 81 88 81 81 81 81 81 81 81 81 81 81		Si	ATIO	N · SW	NO	14118	3	PUC	MATER	PUMP	STN	HWY 21	, PE	TROLIA	1		Mai	NTH -	JUL	77						
2 32 23 22 11 9 9 19 24 29 35 38 42 47 52 52 51 50 49 48 46 41 38 36 35 35 37 36 46 46 65 65 43 65 44 47 40 20 18 7 15 26 31 38 47 51 52 89 100 91 92 100 96 96 66 60 56 43 65 43 65 42 47 40 20 18 7 15 26 31 38 47 51 52 89 91 34 93 93 68 33 17 14 17 14 46 67 17 18 18 18 18 18 18 18 18 18 18 18 18 18		1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
3 36 33 34 32 29 28 32 21 8 32 41 74 60 65 63 63 64 65 65 67 27 66 70 80 102 86 86 85 83 81 81 68 85 85 85 85 85 85 85 85 85 85 85 85 85																					42	26	21	32	32	37
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5 42 47 40 20 18 7 15 26 31 38 47 51 52 98 99 134 93 93 68 68 64 60 56 43 63 61 17 14 17 14 46 61 19 17 15 6 12 15 29 36 52 65 79 88 95 100 91 92 100 96 96 63 63 51 40 37 57 32 23 19 22 19 13 10 17 35 48 65 72 76 53 68 53 54 61 58 49 55 53 48 43 44 84 84 84 84 84 84 84 84 84 84 84 84																						81			68	58
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	MEAN	28	28	26	23	21	19	21	24	29	35	43	49	52	53	55	58	57	56	52	43	36	34	33	30	37.7

PERCENTAGE OF DATA VALID - 64.5 PERCENTAGE OF DATA INVALID - 35.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

### UNITS - PARTS/BILLION

	ST	MOITA	- SW	NO	14118		PUC 1	MATER	PUMP	STN HW	IY 21,	PET	ROLIA			MON'	тн - (	OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 6	AE A N
1	19	16	13	7	7	8	14	17	14	10	9	10	11	14	18	25	26	25	25	26	26	24	23	21	17
2	19	20	21	20	19	20	19	19	17	17	18	19	20	20	19	19	19	19	20	20	20	20	18	18	19
3	18	18	18	18	18	17	16	16	17		21	23	24	24	25	24	25	25	26	25	24	23	24	23	21
4	22	22	21	20	20	17	5	9	18	20	23	25	30	34	34	30	30	27	19	11	12	9	12	14	20
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6	3	12	15	11	10	7	2	4	7	12	15	16	18	19	18	15	13	9	В	11	15	17	16	16	12
7	16	17	13	4	6	7	4	3	11	13	16	17	19	23	23	21	20	19	16	16	16	17	16	13	14
8	12	9	9	10	12	18	21	21	21	27	28	29	30	31	34	36	37	39	38	29	24	16	5	12	23
9	14	15	15	14	14	12	13	12	13	10	10	11	11	14	18	14	15	14	12	12	13	10	14	16	
10	14	13	12	11	9	В	5	5	7	11	17	20	22	25	29	30	25	26	28	24	20	20	21	22	13
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12	11	8	В	14	12	13	14	11	12	12	13	14	15	15	14	12	12	13	11	12	11	12	13	11	15
13	20	20	21	20	20	10	5	9	21	22	22	22	23	22	21	21	20	16	10	5	7	6 11	8	17	12
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17	25	24	24	24	24	22	18	17	18	21	22	21	20	21	21	13	16	16	24	25	25	25	25	25	21
18	17	14	11	7	5	3	2	4	6	- 6	7	14	22	27	26	25	21	14	12	12	15	19	19	17	19
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22	11	9	5	10	17	17	22	22	22	21	22	22	24	24	25	26	26	26	23	21	17	16	15	16	19
23	12	1.1	12	13	1.1	10	9	8	10	13	14	14	16	15	14	15	16	17	18	13	13	12	14	13	13
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26	13	10	6	6	7	3	1	2	5	14	16	27	23	25	24	23	22	11	2	ŏ	1	- 1	ō	2	10
27	6	3	1	2	2	1	1	1	8	13	19	26	35	39	39	28	14	9	15	14	13	13	17	16	14
28	17	16	16	19	20	16	10			20	24	25	27	28	27	26	25	20	12	11	12	8	9	12	18
29	11	10	7	6	5	6	2	5	6	7	9	12	15	16	16	19	21	22	21	19	14	11	9	10	12
30	14	13	13	12	1.1	11	1.1	10	13	17	19	22	26	28	25	23	25	19	14	16	14	15	14	15	17
31	14	14	15	16	16	15	16	16	17	20	23	25	29	29	30	30	30	29	27	23	21	19	19	19	21
MEAN	14	12	12	11	11	10	9	9	12	14	16	19	22	24	25	24	24	21	18	16	15	15	14	15	16.0

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SW NO 1411B PUC WATER PUMP STN HWY 21, PETROLIA MONTH - NOV 77																								
	51	401TA	v - sw	NO	14118	3	PUC	WATER	PUMP	STN	4WY 21	. PE	TROLIA			MO	TH -	NOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	3 1	12	13	14	15	16	17	18	19	20	21	22	23	24 )	MEAN
1	16	15	13	1.1	11	1.1	12		15	16	16	14		17	15	15	13	8	6	8	8	8	10	9	13
2	5	5	5	5	5	5	4		6	9	1.1	14		21	25	27	22	12	13	15	14	13	12	10	12
3	9	8	6	5	4	4	4	4	5	9	10	11	12	1.1	9	7	6	3	2	4	4	5	3	3	6
4	4	3	3	1	6	13	20		21	21	21	22		25	26	25	25	24	23	23	22	17	17	17	18
5	16	16	16	13	14	15	15		12	12	12	10		12	12	12	10	6	7	6	5	5	7	6	1.1
6	5	5	4	4	3	5	6		6	9	10	13		22	24	24	18	13	9	6	6	6	7	9	10
7	6	5	4	3	3	4	5		6	6	8	8	****	7	7	6	5	4	4	3	3	3	3	4	5
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9	1	1	0	0	0	0	0		2	2	2	2		6	8	6	-	1	2	3	5	6	10	13	3
10	13	14	21	20	21	25	19	8	5	9	12	14	13	9	9	10	8	7	5	3	4	6	11	8	1.1
1.1	7	6	3	3	5	10	12		14	14	16	17		20	20	19	22	21	24	25	21	23	23	25	16
12	26	26	27	28	28	28	27	27	26	24	23	24		24	24	25	25	25	25	23	24	25	25	25	25
13	26	25	25	25	25	25	26		23	23	24	24		26	26	23	20	19	17	11	8	6	2	3	20
14	7	10	4	1	1	1	2		14	21	25	26		25	20	17	12	9	10	8	8	8	8	8	11
15	7	5	5	4	4	4	5		9	13	16	17		17	18		18	19	21	22	22	21	20	15	13
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17	8	8	1.1	9	6	3	3		3	5	3	5	****	18	20	21	16	11	9	15	13	6	8	11	9
18	1.1	1.1	8	7	4	6	8		7	8	1.1	12		13	13	10	10	9	10	9	10	9	5	5	9
19	6	7	В	12	10	10	9		7	8	1.1	14		20	21	50	13	10	9	7	7	5	8	14	1.1
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PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

STATION - SW NO 14118 PUC WATER PUMP STN HWY 21. PETROLIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVA	ATLABLE	MEADING
FEB	27	22.0	34	57
MAR	29	28.0	59	85
APR	15	36.1	52	
MAY	31	40.7	77	109
JUN	30	39.9	75	127
JUL	19	37.7		146
AUG	31	32.5	65	134
SEP	30	20.4	51	115
OC T	31		55	108
NOV	30	16.0	23	43
DEC	22	11.3	25	28
YEAR		10.1	25	26
ILAN	295	26.5	77	146

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - DZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

							AN 13/ BILLI	ON	
STATION - SW	NO 141	18 PUC	WATER PUMP	STN HWY 2	1. PETROLI	A			
MONTH DO	TO 10	11 TO 20	21 TO 30	31 TO 50	51 TO BO	8110100	10170150	15180VER	TOTAL
JAN		DATA UNAVA	ILABLE						
FEB	81	163	332	74	6	0	0	0	656
MAR	110	141	137	257	51	3	0	0	699
APR	1.1	59	96	162	60	7	2	0	397
MAY	33	98	136	288	136	31	22	0	744
JUN	41	93	158	248	124	38	16	0	718
JUL	61	78	81	136	89	31	4	0	480
AUG	69	158	193	200	103	19	1	О	743
SEP	200	230	159	98	25	6	2	0	720
OCT	186	339	186	30	0	0	0	0	741
NOV	370	213	121	0	0	0	0	0	704
DEC	305	161	62	0	0	О	0	0	528
YEAR	1467	1733	1661	1493	594	135	47	0	7130

FREQUENCY	DISTRIBUT	ION BY P	ERCENTILE	s								
	PERCENT						TRATIONS					
	OF DATA VALID	WIN	10	30	FREQUEN(	70	BIBUTION. 90	PERCENT 95	98	99	MAX	ARITH MEAN
	88.9	0	5.1	14.0	21.9	31.3	51.7	67.3	83.9	95.1	146	26.5

POLLUTANT - OZONE-CHEMILUMINESCENT UNIFS - PARTS/BILLION

WESTERN FAIR GROUNDS KING/RECTORY, LONDON MONTH - JAN 7 . 8 16 17 24 MEAN HOUR 9 10 8 17 9 9 21 10 10 17 12 23 14 6 8 4 4 10 22 10 18 12 14 21 16 20 13 8 20 2 0 19 15 12 13 14 15 16 17 18 19 20 3 4 5 15 23 8 3 13 0 13 22 12 23 12 17 13 22 10 19 20 12 5 14 23 8 5 11 19 7 17 17 10 19 17 13 24 17 14 11 15 9 17 6 17 2 22 9 22 23 24 25 26 27 28 29 30 26 1 8 0 22 15 12 23 0 3 0 8 12 6 13 23 15 8 15 23 17 6 19 18 21 19 21 16 8 3 26 0 5 0 23 11 3 14 17 16 3 16 17 17 6 3 8 14 26 2 11 0 22 18 0 12 0 6 10 12 23 12 5 14 13 19 17 4 18 16 20 14 7 5 8 16 14 0 15 22 10 23 5 9 15 8 17 5 13 18 21 17 13 10 14 10 5 18 8 14 14 15 13 10 21 23 14 15 В а 10.6

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS . PARTS/BILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY LONDON MONTH - FEB 77 HOUR DAY 24 MEAN 10 8 10 24 22 14 29 3 15 19 24 23 24 25 20 66 14 15 14 19 19 15 13 9 33 16 14 13 14 14 13 28 14 12 15 6 0 17 3 9 11 17 19 21 25 24 23 14 15 27 20 22 23 24 25 19 17 22 24 24 21 21 53 15 14 13 4 13 14 21 18 16 10 9 22 15 28 4 5 6 7 8 9 8 12 13 23 21 24 24 21 14 14 47 25 3 27 22 17 12 13 14 15 16 17 18 19 20 12 11 24 25 24 24 10 23 27 19 13 24 26 26 27 14 21 28 23 14 25 26 27 28 14 22 28 25 25 15 5 19 20 7 18 17 18 8 16 14 14 21 22 17 27 26 23 14 4 17 15 17 6 17 23 25 28 19 21 22 19 5 21 12 3 10 21 22 23 24 25 26 27 28 22 5 10 4 10 16 14 29 22 21 3 17 8 8 22 14 5 14 12 19 17 19 20 23 20 14 19 24 20 19 29 23 17 17 24 25 23 21 18 8 8 20 14 22 17 11 14 16 16 15 17 20 12 15 15 16 27 19 32 19 26 19 10 26 21 10 31 30 8 18 23 17 12 MEAN 16.1

PERCENTAGE OF DATA VALID - 96.7

PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON MONTH - MAR HOUR 1.1 24 MEAN 2 3 4 5 6 7 8 9 15 21 20 13 15 14 31 17 19 26 15 3 19 7 6 3 13 21 21 14 6 18 18 9 22 20 18 17 27 21 20 11 20 26 23 21 37 33 22 24 10 18 24 28 27 40 41 26 21 5 18 28 28 10 15 10 13 28 20 18 39 9 10 8 11 22 14 10 38 4 6 13 17 19 15 2 10 9 15 12 10 3 8 34 10 18 19 13 4 14 21 10 18 20 10 3 14 43 13 10 13 19 22 16 14 28 22 23 6 19 25 31 27 41 43 12 14 30 25 19 32 37 17 21 29 28 19 32 44 18 26 20 3 20 25 22 24 12 13 20 32 21 26 12 8 19 19 26 18 3 24 21 22 19 22 33 23 15 6 23 28 6 26 5 0 30 12 13 14 15 16 17 18 19 20 26 4 26 3 17 27 18 24 6 0 30 24 22 4 0 27 20 1 0 14 21 0 22 22 23 5 23 23 4 23 24 10 17 27 24 28 17 25 28 30 28 41 25 29 30 42 21 25 28 49 23 26 29 39 21 28 31 48 25 2 0 26 18 30 34 27 2 23 20 11 31 15 13 26 0 29 24 23 18 25 27 23 28 32 26 21 39 34 22 36 37 23 20 36 23 22 27 18 23 22 13 20 16 19 25 18 18 14 17 6 25 2 30 2 26 18 21 21 23 23 19 32 26 21 39 30 16 22 23 24 25 26 27 28 29 30 14 19 32 21 15 32 19 1 21 20 33 19 5 12 31 1.4 26 30 34 32 31 26 27 18 41 37 17 33 25 17 26 24 25 7 30 21 10 18 21 21 21 14 29 25 19 29 23 30 26 23 30 27 26 30 28 28 32 20 33 31 30 28 33 20 34 30 30 28 30 31 29 32 17 44 43 31 29 30 30 30 36 17 48 46 30 10 27 23 19 39 12 46 48 30 16 29 27 26 41 14 48 46 30 11 26 19 16 31 16 41 39 30 23 27 17 8 24 14 40 37 27 25 25 13 1 28 14 32 36 26 28 24 12 1 22 18 20 39 24 29 21 9 0 8 23 5 41 20 29 21 6 0 3 22 4 16 30 19 2 0 25 21 29 21 12 21 19 26 23 22 33 21 6 10 32 13 2 20 34 24 6 12 28 21 32 24 5 16 23 22 10 11 13 1 13 MEAN 20.4

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - DZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON MONTH - APR HOUR 24 MEAN 2 3 4 5 6 7 8 9 11 35 12 12 30 17 32 0 11 19 12 10 30 12 32 31 19 15 11 29 6 32 12 5 13 26 15 21 30 8 34 14 7 30 20 18 30 7 36 4 13 30 24 25 30 6 36 10 12 30 24 26 29 6 35 6 11 27 20 26 15 34 21 11 28 21 23 26 8 34 17 12 29 21 25 27 16 35 27 22 17 30 19 27 28 15 35 34 23 19 32 18 27 28 12 35 34 26 14 32 16 23 31 14 35 39 29 14 33 14 23 28 14 35 53 29 16 34 17 23 32 17 35 38 32 14 34 12 23 27 12 35 50 31 14 32 13 25 26 8 34 41 32 14 24 14 27 26 22 12 17 28 15 17 22 8 12 28 8 18 30 21 28 3 9 19 13 20 28 14 26 18 11 8 26 11 19 29 19 29 4 9 30 8 14 31 17 30 2 2 16 25 17 23 26 14 29 21 18 34 18 26 32 16 34 36 32 32 22 12 13 14 15 16 17 18 19 20 33 25 23 2 0 0 13 34 32 28 18 0 0 12 14 34 30 28 17 6 0 0 24 20 46 31 28 14 1 0 6 12 32 14 21 10 0 1 0 4 4 30 26 14 2 0 1 11 12 50 18 14 9 6 12 10 1 6 24 14 15 14 17 26 1 37 21 26 21 30 1 21 29 49 36 31 34 32 37 7 37 46 66 55 36 41 40 45 13 83 72 57 67 37 42 41 48 26 101 73 59 70 37 39 47 48 32 101 79 61 45 34 26 47 49 37 95 41 34 26 17 31 34 26 52 60 33 19 17 7 24 11 13 61 46 29 15 8 1 2 11 12 67 43 21 14 1 0 0 0 4 63 40 29 18 0 0 0 9 12 37 30 15 12 4 8 15 19 71 46 15 17 0 0 0 8 41 46 35 31 20 15 18 21 14 46 48 34 37 36 41 12 59 56 27 20 40 46 30 65 75 30 21 42 48 34 90 79 22 23 34 15 21 9 13 29 21 19 10 21 23 21 18 23 21 0 27 11 23 18 27 18 0 26 13 25 14 19 15 0 25 2 9 26 13 13 10 26 5 21 24 17 23 18 0 26 26 17 20 12 0 4 21 26 25 19 23 27 28 31 28 26 23 26 27 30 39 4 18 31 28 19 29 33 40 44 6 20 28 22 16 38 34 42 48 7 19 30 28 26 35 34 41 46 3 19 34 8 20 37 31 46 37 120 34 11 21 41 26 41 43 1 26 32 11 20 37 8 18 23 7 6 15 19 2 13 17 21 0 4 11 18 2 13 19 19 4 1 35 15 9 22 23 16 16 19 27 18 11 19 12 8 3 43 12 20 18 30 26 29 26 33 29 28 10 19 33 28 23 9 17 23 17 25 26 27 29 MEAN 23.2

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	S	TATION	- sw	NO	1500	1	WEST	ERN F	IR GF	ROUND	S KIN	G/REC	TORY.	LONDO	N	MOI	NTH -	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	33	29	22	25	26	27	25	26	26	30	32	40	48	45	48	52	52	45			- 2				
2	26	31	31	27	29	15	18	20	28	31	32	33	36	36	36		38	37	40 34	30	32	42	22	27	34
3	7	14	16	27	34	27	29	31	37	40	50	55	51	49	44	45	48	51	52	24	15	2	2	4	26
4	41	40	40	40	38	26	20	20	27	46		57	60	59	64	66	69	70	61		45	64	34	36	39
5	36	32	38	38	35	26	13	20	23	28	35	42	45	46	48	49	48	46	47	62	56	36	31	35	46
6	34	30	30	27	10	3	10	27	49	64	71	78	96		109	84	73	49	28	45 26	39	31	38	38	37
7	31	16	17	В	6	6	5	5	6	10	22	27	32	30	32	30	28	31	19	20	22	24 32	24	18	46
8	22	24	26	29	34	25	17	19	25	24	22	27	30		33	38	38	34	29		29		27	27	21
9	10	16	37	27	25	25	24	26	29	31	40	45	54	55	40	63	40	36	37	20	22	28	22	19	26
10	3	6	9	31	24	25	17	14	17	22	27	31	35	36	37	40	45	50	53	24 57	20	13	6	8	30
									1700	-	=		-		-			30	53	51	27	20	15	15	27
1.1	9	6	7	7	6	6	6	7	11	20	34	52	63	59	64	74	80	82	87	75		~ ~			212
12	61	61	38	33	30	25	18	21	29											75	61	77	62	59	42
13									100.00				DATA	INVA	10 .			1000000	.0.00					****	
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15		****	****	****	****			****								91	80	67	63	44	~ 4	22	24	R	
16	8	10	14	18	26	21	22	22	28	39	44	51	76	70	56	59	56	55	60	57	24 52	23 48	24 47	27	
17	27	36	37	33	22	24	25	27	35	59	67	66	60	53	54	58	59	58	53	38	52		47		40
18	17	9	10	17	3	6	10	29		59	70	75	86	84	73	60	64	66	59		20	2		1	38
19	43	44	44	39	40	28	22	34	32	29	31	40	52	68	80	80	77	82	82	44 77	36	37	51	47	44
20	73	64	57	45	46	43	50	58	67	72	81	77	80	77	85	81	91	89	84	78	44 56	29 58	56 60	75	51
												5.5		1,535	0.5		31	0.9	84	78	56	28	60	54	68
21	57	64	71	77	67	48	39	25	22	22	24	27	27	25	22	17	20	27	23	15			18		
22	18	14	17	18	17	15	15	22	26	29	33	37	34	29	28	29	29	27	23	13	12	14	18	20	33
23	0	0	0	0	0	0	1	8	15	21	24	27	31	36	37	32	40	45	39		6 15	17	- 1	0	20
24	35	45	50	52	49	45	42	45	48	52	54	60	66	66	66	64	61	45	47	22 49	36	68	27 45	34	20
25	39	57	65	54	43	42	39	30	29	29			29	26	23	23	28	28	24	18	15	13	13	51 13	52
26	15	16	18	17	19	16	1.1	16	20	24	25	26	25	26	26	25	27	28	28	23	10	8	1	0	31
27	0	3	1	0	1	1	3	8	22	28	32	35	37	40	48	55	55	35	28	24	9	5	ò	ő	19
28	0	1	2	2	4	1	1	4	29	48	52	59	61	65	69	68	74	79	69	62	31	43	46	40	20
29	18	8	8	10	0	0	1	6	30	63	79	77	74	62	59	62	62	60	62	44	35	29	19	18	38 37
30	18	13	8	8	17	21	25	35	40	42	42	44	40	42	44	43	39	35	29	21	13	7	4	6	27
																	0.5	33	23	21	13	*	•		21
31	6	8	12	21	40	40	48	63	68	78	81	89	87	69	79	85	85	83	57	21	37	35	****	****	54
MEAN	25	25	26	26	25	21	20	24	30	39	44	49	52	52	52	54	54	51	47	38	29	29	26	25	35.8

PERCENTAGE OF DATA VALID - 88.7 PERCENTAGE OF DATA INVALID - 11.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT - OZONE-CHEMILUMINESCENT  ATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LO														RTS/B	ILLIO	N							
	ST	ATION	- SW	NO	15001		WESTE	RN FA	IR G	ROUNDS	KING	3/RECT	ORY,L	ONDON		MON	тн	AUG	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		32	29	25	19	18	18	20	23	23	23	22	23	24	25	28	28	26			_	_	_	_	19790
2	1	6	15	14	В	1		10	28	38	50	50	52	55	55	47	66	55	15 52	4 50	48	54	58	0 55	18
3	43	47	42	44	37	7	6	11	29	43	55	65	66	64	79	65	62	49	45	44	38	26	50	46	38
4	49	50	42	40	30	16	6	13	31	47	46	58	61	58	66		66	68	69	70	76	83	74	64	44 51
5	49	42	51	55	50	21	34	29	38	42	48	52	63	72	82	86	89	74	67	68	55	47	36	30	
6	27	33	42	56	42	31	33	28	32	43	48	55	56	53	50	42	36	28	27	20	12	13	8	9	53 34
7	_1	2	6	6	3	6	10	10	17	27	35	28	34	51	58	63	61	58	52	49	44	36	31	31	30
8	28	22	21	28	25	17	11	14	25	34	30	35	25	18	32	37	52	59	51	35	38	32	30	34	31
9	23	22	24	22	24	9	5	8	21	28	33	37	43	46	47	44	38	37	31	18	10	21	26	23	27
10	20	41	31	23	14	6	10	8	13		15	23	31	46	59	63	55	50	51	33	26	30	32	33	31
1.1	33	35	31	28	27	17	11	21	30	44	52	50	40	24			40			1112		100000	2000		
12	23	22	19	13	9	4	3	- 6	16	31	38	43	46	42	44	61 40	48 50	37 82	25	13	10	20	23	23	31
13	27	42	28	26	39	25	14	33	44	55	59	62	59	58	62	61			88	63	26	28	41	38	34
14	31	42	39	35	33	34	42	45	35	37	40	38	38	37	35	33	62 32	56	45	42	38	35	32	31	43
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16	8	9			2	2	2	7	18	28	35	45	49	54	57	48	52	47	36	5	4	0	0	0	17
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18	16	16	15	13	7	0	6	8	13	20	21	22	24	23	23	24	25	31 26	21	19	28	13	9	13	27
19	0	0	0	0	0	0	O	0	14	35	38	37	39	51	47	36	29	30	18	4	0	0	0	0	14
50	6	7	0	0	0	0	4	18	23	27	29	30	35	42	39	41	31	28	25 23	21 16	13	10	В	6	18
21	O	0		200	100	200						(8.8)	170		1000		31	20	23	16	4	2	1	1	17
22	43	43	3 42	4 39	11	14	13	8	20	51	43	46	39	42	49	45	38	34	27	36	30	30	34	33	27
23	38	33	28	25	31 20	21	16	19	21	21	19	22	24	25	28	32	38	40	38	72	54	35	30	37	33
24	21	23	20	18	23	20 16	10	10	16	20	21	• • • •	25	25	27	23	16	14	8	7	8	10	13	18	19
25	-0	23	20	0	23	0		9	21	22	23	25	27	25	23	22	23	21	13	0	0	0	1	0	16
26	ő	ŏ	0	2	1	0	0	2	13	26	27	27	30	33		36	35	35	30	17	4	0	0	0	14
27	25	19	33	30	14	16	19	4	6	18	38	51	50	62	60	47	60	80	68	38	30	37	30	22	29
28	32	25	23	19	17	14	16	17	23	29	42	46	47	51	63	66	62	55	50	43	41	39	37	33	38
29	13	12	6	4	8	6			22	29	38	42	48	50	48	49	52	55	42	23	20	19	11	12	30
30	0	1	õ	0	0	0	4	6	5			10	10	13	16	17	18	23	21	12	4	4	4	2	10
	(1.00)		U	U	U	O	0	4	11	13	25	30	46	51	61	62	55	41	31	18	16	13	10	7	21
31	6	8	91	12	9	1	0	1	11	30	45	51	53	56	62	64	62	60	59	54	61	73	<b>5</b> 3	33	36
MEAN	20	22	21	21	1.7	11	11	13	21	31	36	39	40	43	47	46	46	45	39	30	25	24	23	22	28.8

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON MONTH - DEC HOUR 24 MEAN 13 4 3 20 17 0 5 14 5 0 14 5 0 8 15 20 0 5 0 14 9 2 14 18 2 1 0 2 2 11 6 10 18 16 0 2 8 8 6 12 18 16 0 4 8 6 12 14 15 17 22 6 13 1 7 9 8 14 11 18 0 6 10 13 6 19 2 5 7 15 14 9 20 5 12 9 9 12 16 15 18 24 6 14 20 9 16 16 12 22 5 13 9 17 16 10 21 8 9 5 7 7 15 9 13 10 7 0 4 7 8 15 9 7 10 9 0 4 2 10 17 12 7 10 8 0 6 3 5 20 18 0 3 12 0 8 12 17 14 11 22 9 8 7 9 12 11 16 11 9 0 11 3 13 18 20 0 2 5 3 12 18 16 3 5 8 0 4 1 11 16 21 0 3 9 13 14 17 4 8 6 12 17 15 17 25 7 14 20 0 9 19 0 9 0 0 9 0 1 0 7 11 2 0 9 0 1 0 8 11 4 5 0 7 0 12 10 1 0 0 9 0 2 0 10 11 4 1 3 9 0 7 0 10 8 3 2 4 0 5 0 11 11 10 4 0 2 0 11 10 1 12 5 0 2 3 12 8 2 2 2 0 1 0 12 9 1 3 0 1 0 13 8 1 4 0 1 2 13 8 2 11 5 0 5 4 11 6 1 9 11 3 0 6 6 12 4 10 2 0 0 0 11 1 11 4 0 5 5 13 5 1 8 0 9 1 0 0 0 11 1 1 3 9 1 0 13 1 0 3 6 4 0 3 1 1 6 1 5 8 1 0 3 5 1 1 4 1 6 7 1 0 1 2 1 3 1 0 0 8 1 0 2 0 13 1 1 3 22 23 24 25 26 27 28 29 30 6 2 5 0 7 12 5 5 1 0 9 2 5 0 12 13 5 3 2 0 0 5 0 20 15 6 2 0 5 0 22 16 7 2 0 5 0 22 16 5 2 4 2 12 9 19 12 15 0 15 13 5 2 4 0 5 0 23 14 6 0 5 0 22 12 6 1 2 0 1 11 6 21 15 15 10 8 0 0 9 1 22 15 10 5 3 0 8 4 21 16 15 8 5 2 12 7 21 12 16 12 13 2 12 8 20 13 15 10 10 8 8 19 12 14 8 3 2 2 6 5 18 10 9 5 1 1 3 5 17 7 2 6 1 6 1 9 15 5 3 1 0 5 1 7 1 5 6 2 2 0 2 4 0 5 1 5 3 1 0 1 4 2 6 4 8 1 1 8 4 3 1 0 7 13 4 3 1 0 2 

23 19 18 10 11 13 14 10 6

PERCENTAGE OF DATA VALID - 99.5

2 10 11 11 2 0 4 11 15 19

MEAN

5 5

PERCENTAGE OF DATA INVALID - 0.4

8 9 10 11 10 B

PERCENTAGE OF DATA UNAVAILABLE - 0.1

6.6

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE MONTH - JAN HOUR В 24 MEAN 12 0 8 2 3 4 5 6 7 8 9 13 16 6 9 10 0 12 2 0 5 18 7 18 7 22 16 15 9 14 22 13 20 12 20 20 20 23 18 22 15 22 22 14 24 27 14 23 20 18 18 12 14 17 2 16 13 23 26 4 22 17 9 18 5 14 22 9 18 9 11 20 4 2 12 12 13 0 15 21 20 1 4 12 10 9 0 15 21 18 2 7 9 11 14 17 9 14 16 20 18 12 17 20 17 19 12 4 0 7 14 26 30 8 23 22 17 18 26 5 21 10 23 16 19 12 1 18 21 8 1 14 18 7 18 21 20 8 0 15 8 10 20 11 3 15 B 12 13 14 15 16 17 18 19 20 9 11 0 0 22 20 20 8 18 7 1 12 6 4 18 7 5 0 3 9 14 9 18 18 12 14 23 17 12 10 18 19 12 15 22 19 12 18 19 12 18 22 18 20 14 12 17 22 13 20 20 18 20 13 11 17 20 12 20 23 18 18 11 12 20 12 20 23 20 20 7 8 16 18 9 15 4 5 18 18 5 17 24 8 18 4 6 18 19 4 16 23 11 6 4 13 16 9 16 25 2 10 5 2 16 16 10 14 25 12 2 0 21 19 18 9 21 0 13 6 4 15 18 11 16 18 0 15 18 18 15 9 4 4 15 17 8 17 25 3 0 0 23 20 17 9 20 0 15 16 17 12 18 14 16 10 6 0 0 12 17 4 12 11 4 16 4 15 10 18 9 12 21 16 7 12 15 16 18 9 23 18 26 16 22 23 24 25 26 27 28 29 30 20 21 0 6 16 23 15 14 26 18 0 0 21 20 15 25 16 2 0 22 20 12 15 25 16 4 0 22 20 12 15 25 12 5 3 18 19 11 15 25 18 12 7 19 15 16 18 26 21 13 13 19 20 22 17 26 21 13 18 19 20 23 :8 26 20 13 25 24 22 21 19 23 26 20 12 23 24 22 20 19 23 26 20 9 23 23 22 20 19 23 26 17 6 23 21 20 20 17 6 23 20 19 20 18 20 14 6 23 19 18 20 18 15 7 23 19 18 20 18 20 25 16 6 13 21 20 17 17 15 0 23 9 6 21 23 23 7 20 23 15 15 18 22 7 19 23 17 15 17 18 0 22 20 15 15 10 3 15 6 7 20 14 21 22 22 21 18 23 21 15 15 20 16 15 19 12 15 

PERCENTAGE OF DATA VALID - 99.7

1.1 

PERCENTAGE OF DATA INVALID . 0.3

15 17

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE MONTH - FEB HOUR 24 MEAN 23 23 20 28 13 26 25 28 34 29 29 31 37 30 58 1 2 3 4 5 6 7 26 18 21 28 23 23 21 18 26 19 20 28 23 25 23 18 23 25 23 20 26 21 27 0 14 22 20 29 23 26 4 15 20 23 28 24 26 12 15 21 27 28 26 26 18 16 24 26 23 31 28 27 29 26 23 38 24 33 28 30 28 30 28 50 20 28 32 27 28 30 32 32 49 26 26 27 26 19 32 33 58 17 24 28 26 26 12 27 31 35 23 26 28 25 26 22 24 35 29 35 29 31 36 31 47 17 22 28 23 23 18 20 29 22 28 28 26 28 24 20 30 20 28 23 26 20 20 28 22 27 10 15 23 20 28 22 27 28 34 28 29 31 33 32 42 28 31 27 28 28 32 32 55 27 26 27 27 23 34 32 57 26 28 27 26 22 31 33 52 34 29 29 31 32 58 15 20 11 12 11 14 28 34 35 26 18 12 13 14 15 16 17 18 19 20 11 9 34 39 36 37 43 22 37 35 37 36 37 36 18 37 34 37 36 37 36 16 35 35 35 40 23 35 38 36 36 37 18 34 39 34 36 22 32 37 35 34 38 22 34 37 35 36 43 23 37 35 35 37 16 34 37 34 36 18 34 37 34 33 34 19 34 37 32 34 19 33 31 34 18 34 36 28 30 16 34 27 29 13 32 30 28 10 26 27 23 4 31 26 26 21 4 26 24 20 6 33 26 20 19 19 33 28 21 18 26 33 32 31 21 31 32 32 21 26 35 28 28 28 31 26 19 28 33 22 23 24 25 26 27 28 21 10 22 20 26 28 31 21 12 21 23 26 21 12 21 22 25 29 27 21 13 21 22 25 24 20 15 20 22 26 23 19 15 19 22 28 15 19 22 23 21 29 21 22 23 25 30 20 28 23 25 28 34 31 23 22 28 34 15 32 34 23 26 28 35 14 34 23 30 28 35 23 34 23 28 26 35 23 21 26 35 28 31 26 23 20 26 31 28 31 18 22 20 26 30 18 22 20 21 29 28 25 12 23 21 23 27 22 20 26 25 29 25 22 19 22 24 29 22 27 20 16 21 23 26 18 20 15 20 22 26 15 15 19 21 28 21 23 19 27 31 28 30 21 29 15 32 MEAN 20.5

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- \*- " INDICATES DATA IS UNAVAILABLE 2.
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

	ST	ATION	· W	C NO	22071		EXPER	IMENT	AL FA	RM S	IWCOE					MON	NTH -	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	43	43	41	35	34	33	29	31	48	55	60				22	2									
2	50	45	39	38	31	29	29	26		20		65	71	67	64	65	68	55	52	50	48	55	55	52	51
3	22	22	24	26	25	21	22		22		28	31	39	40	41	41	41	41	38	30	25	26	27	28	34
4	27	24	24	23	21	19	19	29	32	35	35	41	43	43	43	45	46	47	43	42	40	38	37	34	35
5	24	29	44	42	27	14	11	20	20	21	22	23	25	27	27	26	24	25	26	27	27	26	15	13	23
6	43	40	39	38	40	44		8	10	8	• • • •	14	20	22	41	60	64	70	60	59	55	52	50	48	36
7	37	40	39	22			46	39	40	43	50	53	55	55	58	64	68	65	69	52	45	44	45	40	49
Ŕ	49	25	38	38	23	27	29	31	36	41	45	48	52	52	45	42	43	41	36	43	46	45	50		40
9	31	34	34		29	27	29	32	33	36	38	43	43	42	41	40	36	36	36	29	31	33	36		36
10	34			35	34	34	35	34	34	34	36	37	39	39	39	39	39	39	41	41	37	33	33		36
10	34	34	34	34	32	32	32	35	38	45	46	50	50	50	51	49	47	46	45	44	48	48	40		42
1.1	38	39	43	44	43	46	45	42	46	38	40	43	39	43	46	48	E 0								
12	35	34	34	3.4	18	28	33	33	35	46	49	59	50	65	63	55	52	57	57	45	41	37	36		44
13	55	54	54	55	56	51	50	44	41	36	37	40	37	48	41		55	56	57	44	40	36	37	44	43
14	41	38	33	24	18	33	33	27	27	31	37	41	36			40	37	36	27	31	38	43	38	38	43
15	44	38	29	22	25	33	19	21	26	29	28	31	30	37	38	38	38	38	39	48	48	29	31	48	35
16	48	55	42	44	43	41	50	33	32	40		52		29	24	34	36	38	38	24	27	49	53	46	32
17	44	45	45	49	50	44	41	44	53	-375			55	59	69	72	72	66	55	51	45	57	50	40	51
18	73	58	54	50	48	38	34	36		65	73	87	88	92	99	102	90	83	87	87	87	80	87	91	71
19	52	43	38	41	43	45	32	39	36	36	57	57	59	62	69	68	64	59	59	59	59	57	57	52	54
20	61	63	69	82	58	30	31	17	43	58	41	42	52	54	55	56	59	59	56	35	22	27	48	58	46
	•	.00	0.5	02	36	30	31	1.7	28	40	48	53	57	61	78	69	70	78	80	45	34	54	52	74	56
21	43	45	50	59	67	60	37	33	49	61	74	85	80	87	94	95	95	96	87		-				
22	53	46	38	34	29	30	31	32	38	44	52	62	74	75	76	76	78	79	80	92 68	87	89	74	65	71
23	66	52	41	36	38	37	31	34	38	46	55	61	45	55	61	64	65	67	66		63	62	61	58	56
24	64	59	56	51	41	34	34	36	42	43	48	55	64	71	78	72	73	71	59	59	55	43	48	62	51
25	37	40	51	53	48	49	47	50	53	54	55	52	55	55	60	62	60	62		48	35	42	52	61	54
26	29	25	31	34	22	20	22	27	30	34	38	43	48	49	54	57	63	66	56	38	30	25	23	23	47
27	52	54	52	37	40	43	36	38	37	45	43	43	57	60	62	71	69	66	67	54	33	41	53	51	41
28	59	48	43	44	46	50	47	49	57	64	78	99	97	102	95	91	92		59	53	50	48	59	66	52
29	41	39	37	36	34	34	31	31	32	31	31	31	29	30	31	31		90	59	28	27	32	40	41	62
30	29	29	29	29	23	23	24	28	34	37	39	43	46	49	54	57	31 60	31	31	33	36	35	32	30	33
					1-0-0-1			•	-		33	43	40	43	54	3/	60	63	57	55	55	56	57	57	43
31	51	50	45	38	34	31	31	32	34	41	62	65	73	84	94	100	104	90	64	66	••••	••••	• • • •	••••	59
ME AN	44	42	41	40	36	35	33	33	36	41	46	50	52	55	58	59	59	59	54	48	44	45	46	47	45.9

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE POLLUTANT - OZONE-CHEMILUMINESCENT

	- 2						CAFC	U Y WE IN	IAL F	AHM 5	IMCOF					MO	HTY -	JUN	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	55	50	45	44	42	39	31	33	35	35	38	41	39	38	37	20			100						
2	26	32	52	43	34	28		22	22	22	24	25	24			39	45	41	37	36	34	31	30	29	39
3	44	41	38	39	42	34			34	48	48	57	64	24		26	27	28	34	45	46	48	41	42	32
4	5.2	51	39	43	41	38	38	43	54	70	71	79		64		66	68	65	52	46	37	38	41	29	47
5	95	94	69	82	66	63			52	52	54	53	95	97	90	97	104	101	87	74	76	87	90	89	71
6	25	21	19	20	25	27	29	29	27	18	22			61	63	66	69	73	69	69	66	51	41	41	64
7	46	45	46	45	44	43		43	45	50	53	22	34	57	55	43	43	45	45	44	50	50	44	45	35
В	38	36	33	36	36	36	36	37	45			56	57	52		50	52	55	55	56	57	52	44	41	49
9	20	15	20	38	42	33		29	26	48	50	55	42	43		48	52	53	58	25	1.1	В	27	24	38
10	31	34	31	33	33	32	29	27	28	27	30	32	43	52		59	59	54	51	51	53	41	38	34	39
					33	52	25	21	28	33	43	45	54	48	43	43	43	42	41	41	35	33	38	62	38
1.1	36	39	37	38	45	53	48	45	50	57															
12	80	52	59	65	64	64	65	75	78		59	62	67	69		72	61	56	51	55	57	59	67	75	55
13	30	25	30	17	12	13	13	15		85	82	62	66	64	65	66	69	45	37	45	29	57	50	39	61
14	30	24	18	16	15	15	20	17	23	32	38	45	39	47	57	60	63	62	40	32	31	31	31	32	34
15	13	13	12	12	11	8	8		15	19	28	31	44	44	45	49	45	44	43	43	27	25	15	13	29
16				1.2	3.1	0					••••			• • • •				****							
17					****						2012	. 5		INVA											
18	49	36	31	30	37	45	43	46		78	83	93	92	92	99	104	115	115	110	108	97	97	58	52	
19	61	57	50	45	44	45	48	45 48	44	42	31	36	44	55	64	71	77	79	80	72	69	66	68	64	53
20	53	42	28	15	10	22	31	37	51	55	62	63	62	64	65	65	65	67	69	75	48	58	59	45	57
	-	7.00	20		10	22	31	37	39	37	40	50	63	45	48	50	58	57	57	57	61	51	50	41	43
21	36	36	41	30	36	34	36	25	41	4.5		72.9	100.00												
22	40	43	41	31	38	38	41	36 51		45	52	54	63	64	64	63	58	56	54	55	59	59	46	43	48
23	66	52	51	56	52	41	32	38	56	60	62	66	59	56	57	62	67	68	66	57	43	38	57	68	53
24	63	24	45	59	34	16	18	13	42	43	45	38	34	38	48	58	65	59	44	25	22	16	40	65	45
25	52	56	57	62	50	32	57	65	30	57	77	99	118	120	114	110	106	111	104	85	75	69	63	58	70
26	50	48	48	48	45	44	48		47	38	43	71	75	68	65	58	52	52	52	66	59	62	55	51	56
27	36	57	59	59	61	46	31	56	56	53	58	64	70	57	52	54	54	53	53	50	38	35	33	27	50
28	48	45	45	39	50	33	29	45	55	52			65	66	63	62	76	69	66	40	38	52	59	48	55
29	37	36	41	51	59	43	43	31	31		• • • • •	• • • •	• • • •	• • • •			60	64	67	69	66	60	47	47	49
30	34	45	38	42	31	7		41	35	36	37	40	45	43	47	50	51	48	49	45	45	43	38	34	43
			3.8	42	31	*	8	20	35	48	52	55	68	59	59	64	69	69	67	69	64	57	50	43	48
MEAN	45	41	41	41	39	35	34	38	41	46	49	54	59	59	60	61	63	62	59	55	50	49	47	46	48.8

PERCENTAGE OF DATA VALID - 91.8 PERCENTAGE OF DATA INVALID - 7.9 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

							LOCE							014113	РД	413/8	ILLIO	N:							
	ST	TION	- W	C NO	22071		EXPER	IMENT	AL F	ARM S	IMCOE					MON	тн -	SEP	77						
HOUR DAY	,	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	53	48	38	32	29	29	29	31	35	45	55	60	65	76	84	94	101	90	71	49	35	17	18	10	50
2	15	24	20	20	1.7	19	1.1	20	24	31	39	49	59	60	61	62	67	71	67	60	55	46	45	41	41
3	33	27	27	25	23	17	1.7	20	22	25	29	32	35	35	36	37	38	37	31	20	18	20	13	10	26
4	10	8	7	9	9	8	8	12	13	25	41	56	61	60	55	50	45	38	24	12	20	33	34	41	28
5	43	41	45	44	36	32	33	34	34	36	40	43	44	46	46	44	43	38	33	31	26	25	20	17	36
6	15	9	10	16	17	13	10	20	27	29	37	42	43	48	47	42	46	48	30	22	19	22	30	27	28
7	20	18	1.3	2	1	2	6	9	19	29	20	30	37	29	31	35	48	38	32	27	21	19	13	9	21
8	4	3	5	8	1.1	12	12	15	20	22	29	33	41	46	50	50	50	43	37	33	28	24	20	15	25
9	16	40	43	40	38	35	35	34	34	34		59	64	66	76	83	86	76	73	75	67	54	51	51	53
10	40	36	34	31	24	22	23	25	29	29	29	29	29	26	24	24	23	22	21	19	16	19	21	20	26
11	20	17	15	13	1.1	9	10	13	20	24	27	31	33	35	36	37	38	36	33	28	20	13	12	В	22
12	6	3	1	0	0	1	6	13	20	30		50	56	58	63	63	59	49	44	43	34	31	29	21	30
13	22	33	31	31	29	22	14	14	23		24	24	26	35	36	33	34	34	29	22	7	12	13	8	24
1.4	1	20	30	31	34	31	28	22	24	27	28	31	34	35	31	30	29	25			á	6	7	5	23
15	4	4	3	1	0	0	0	0	4	19	17	21	17	19	23	24	21	21	17	15	21	26	21	18	13
16	16	15	1.3	14	13	10	8	8	11	15	16	18	21	26	25	24	22	22	23	24	28	29	18	9	18
17	9	12	17	18	17	13	8	14	20	28	31	40	48	58	61	68	71	66	48	51	50	47	51	44	37
18	41	37	36	39	31	27	29	28	29	27	21	20	25	24	31	29	27	21	26	24	19	20	9	11	26
19	13	11	1 1	1.4	12	23	23	23	24			37	37	36	36	36	35	37	34	30	29	26	24	21	26
20	19	17	14	16	17	13	22	20	21	20	25	26	38	37	34	32	28	24	20	21	16	13	12	6	21
21	6	9	9	8	8	8	7	7	8	9	9	6	4	3	4	2	1	1	0	3	6	5	4	12	6
22	12	11	7	6	7	5	3	6	16	20	23	24	24	26	23	21	19	17	13	12	15	18	21	22	15
23	19	17	8	5	7	6	2	6	9	11	17	20	24	31	35	34	32	30	31	26	24	25	24	26	20
24	26	25	24	24	24	22	21	20	20	23		21	18	18	18	15	12	13	19	18	14	13	13	12	19
25	9	14	13	12	9	6	10	1.1	13	18	32	39	43	46	52	63	59	53	40	25	46	34	27	29	29
26	26	28	29	30	31	36	31	31	24	22		45	52	54	49	45	50	51	46	43	40	40	40	36	38
27	30	28	24	21	14	12	9	9	14	19	19		24	27	30	34	34	32	32	29	24	24	21	18	23
28	17	15	1.2	14	16	16	16	16	17	19	26	31	31	26	25	28	35	34	30	24	16	6	5	5	20
29	0	0	0	0	0	0	0	0	0	0	10	16	18	18	18	22	21	16	9	8	7	7	7	5	В
30	8	10	15	12	15	12	10	9	3	10	17	25	34	39	34	32	31	35	28	21	14	23	23	В	20
MEAN	18	19	18	18	17	15	15	16	19	23	27	33	36	38	39	40	40	37	32	28	25	23	22	19	25.7

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	OZONE	- CHEM	ILUMI	NESCE	NT						UNITS	- PA	RTS/B	ILLIO	u.							
	ST	ATION	- W	C NO	22071		EXPER	IMENT	AL F	ARM SI	MCOE					MON	тн - 1	ост	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	<b>2</b> 3	24	MEAN
1	5	9	18	19	19	21	20	17	15	10	7	7	5	í	2	5	10	7	4	10	13	14	15	17	11
2	16	1.5	13	13	1.1	9	8	8	8	9	9	13	14	15	20	25	20	15	1.1	13	11	10	10	9	13
3	8	8	8	9	8	8	7	7	10	14	17	21	24	26	27	28	27	26	25	20	17	17	17	16	
4	-			4	9	¥ .	2	104	130		32	37	42	44	46	51	51	51	50	22	14	19	19	24	16
5	27	26	21	15	12	6	6	13	23	27	31	37	44	44	43	43	48	48	45						(607)(7)(60)(60)
6	29	28	27	24	22	16	10	12	15	18	20	22	26	28	30	30	31			38	35	30	24	25	30
7	13	12	11	9	8	6	3	4	5	6	16	20	27	28	29	27	27	29	24	22	18	17	16	13	22
8	8	9	20	24	25	26	26	25	26	27	29	35	38					27	25	23	22	17	12	8	16
9	37	35	31	27	24	21	17	20	22	27	31			37	37	38	39	39	36	37	38	37	38	38	31
10	33	32	32	36	36	31	30					34	32	29	29	29	30	32	35	33	34	35	35	35	30
1.0	33	32	32	30	36	31	30	30	33	36	38	44	48	51	54	57	55	50	34	26	19	22	34	23	37
1.1	23	23	25	23	9	10	13	19	22	• • • •	21	23	28	31	30	36	42	34	33	27	22	22	18	25	24
12	28	33	30	27	22	24	26	28	31	35	38	35	31	33	33	32	27	24	14	12	11	17	15	12	26
13	14	13	1.1	13	14	15	16	16	16	19	26	26	29	35	38	38	36	21	13	14	11	10	9	9	19
14	9	4	9	12	14	8	6	11	15	22	24	27	30	38	41	32	33	12	6	0	Ö	0	õ	5	15
15	0	0	3	22	16	16	15	19	21	33	46	62	65	51	49	45	36	25	22	25		23	40		
16	24	20	25	26	27	30	30	28	29	30	29	29	29	29	28	30	31	30	31		9			25	28
17	35	39	35	37	42	40	39	39	47	53	55	51	47	44	40	40	36			31	29	26	26	31	28
18	8	10	10	10	12	14	13	13	14	19	20	24						31	2	4	6	8	12	14	33
19	21	17	13	10	12	14	2	2	4	12	16	20	28	29	31	36	37	23	9	16	28	26	21	19	20
20	8	7	8	15	18	16	15	22	24	24	26	20	26	38 47	42 48	40	34 45	18 43	15 25	23 35	19	11	22	9 24	18
		. ==									-								23	33	30	29	22	24	27
21	25	17	1.1	50	14	12	6	9	20	38	40	44	51	62	64	70	65	53	47	40	34	20	37	34	35
22	22	19	23	29	27	24	18	15	16	24	29	34	37	40	41	41	40	29	26	24	19	18	17	15	26
23	9	13	4	3	7	8	12	17	16	16	19	20	18	26	29	30	27	25	22	20	17	12	8	5	16
24	3	2	2	0	0	0	0	0	0	3		7								-		-		- 7	
25												- DA	TA UN	AVAILA	BLE										7.55070505000
26														AVAILA											
27														AVAILA											
28														AVAILA											
29														AVAILA											
30														AVAILA											
31														AVAILA											
MEAN	18	17	17	18	17	16	15	16	19	23	27	30	33	35	36	37	36	30	24	22	20	19	20	19	23.5

PERCENTAGE OF DATA VALID - 73.9 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 25.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

														~											
	ST	ATION	- wc	NO	26029	3	TRAIL	ER ED	NA/FR	EDER	CK ST	KIT	CHENE	₹		MON	гн -	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	1.7	18	19	20	21	22	23	24	MEAN
1	32	32	33	33	33	33	33	32	29	31	32	33	31	33	33	29	26	28	32	30	27	29	32	33	31
2	33	35	33	31	32	32	31	31	31	32	33	33	31	24	22	17	10	7	6	6	6	10	8	3	22
3	2	2	3	12	15	12	10	5	10	15	21	22	19	21	10	10	8	1	2	0	1	3	4	3	9
4	15	6	1	13	6	13	1.4	12	8	****	24	27	29	25	27	20	13	4	8	2	0	0	0	2	12
5 6	5	4	3	10	19	8	1	1	1	3	3	12	24	27	15	8 ' 15	5	o	0	0	. 0	0	24	19	6
7	14	13	0		0	0	6	18	0		26	17	19 29	21	24	26	21	3	11	7 1B	17	22	22	13	9 19
8	12	15	12	9	6	6	8	5	26 7	28 13	19	28 19	22	28 22	21	18	15	19 15	22 8	10	24	24	22	11	11
9	20	29	29	31	33	30	26	24	24	21	22	27	23	23	20	19	20	24	10	7	13	13	14	15	22
10	16	24	26	24	26	24	14	13	10	13	13	17	20	21	15	22	18	21	26	****	****	13		****	19
10	10	24	20	24	20	2.4	1.4	13	10	13	13	1.7	20	21	15	22		21	20	3.5-6.5	370 COF 40	0 T SUE T		0.00	19
11	****	****	****			***	****	****	****	****				34	33	30	24	19	26	22	8	2		****	*****
12	0	0	0	3	4	4	2	1	5	13	17	23	26	28	27	24	20	16	13	17	25	20	17	17	13
13	15	1.0	6	8	3	2	11	1	2	8	15	21	24	22	15	10	3	1	2	0	0	0	0	0	7
14	0	0	0	0	0	0	0	0	0	3	10	17	13	11	4	4	0	0	0	0	0	0	1	6	3
15	10	23	26	21	28	27	22	19	17	19	20	21	26	32	29	26	21	16	14	16	26	26	32	30	23
1.6	28	26	24	24	22	22	22	21	24	27	29	32	33	31	30	27	25	26	22	22	26	32	33	24	26
17	30	29	31	32	29	28	27	16	15	19	21	22	24	22	20	26	22	22	21	26	24	17	20	17	23
18	20	24	19	13	15	0	0	0	0	5	24	24	28	26	26	22	19	21	24	25	26	22	1.1	10	17
19	15	15	20	22	29	32	22	17	14	24	20	29	30	30	31	28	26	28	29	30	33	33	29	24	25
20	24	20	24	22	24	27	22	19	18	30	30	27	27	26	27	22	13	4	15	1.1	7	0	1	2	18
21	2	1	. 1	19	1	3	3	4	10	18	26	29	30	26	24	15	10	10	9	12	17	26	24	17	13
22	24	24	29	31	33	32	29	28	26	26	27	28	31	30	31	29	26	17	16	19	20	18	22	24	26
23	26	17	22	6	6	13	5	21	24	26	28	31	28	26	29	31	25	****		****		****	14	1.7	20
24	15	14	8	1.2	16	15	6	1	0	****	10	13	18	15	1.1	5	3	3	5	4	4	5	7	4	В
25	5	4	4	3	1	0	0	0	3	8	15	21	29	31	29	27	22	22	22		26	26	27	31	16
26	32	29	26	31	29	30	28	22	26	29	30	31	30	30	32	28	22	17	17	20	21	30	35	33	27
27	33	33	31	31	31	31	26	29	26	30	31	33	33	33	33	30	22	19	17			13	14	10	26
28	6	8	1.8	17	13	9	8	6	6	****	9	25	31	31	29	26	20	31	31	30	29	28	26	19	20
29	18	14	18	19	21	18	17	17	21	24	26	26	28	28	28	25	20	19	18	17	20	29	28	24	22
30	22	13	9	10	11	10	13	16	25	30	30	32	33	33	33	33	31	30	29	29	29	29	29	29	25
31	24	24	22	17	16	16	15	13	17	22	. 24	26	30	30	30	26	20	18	16	16	29	29	29	29	22
MEAN	17	16	16	16	17	16	14	13	14	19	21	25	27	26	25	22	17	15	16	15	16	17	17	16	18.1

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 3.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

PERCENTAGE OF DATA UNAVAILABLE - 0.0

	PO	LLUTA	NT -	OZONE	-CHEM	ILUMI	NESCE	NT						UNITS	- PA	RTS/E	BILLIC	IN							
	ST	ATION	- WC	NO	26029		TRAIL	ER EC	NA/FRE	DERIC	K ST	KIT	CHENE	R		MON	TH -	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7	28 36 23 24 29 27 35	29 36 24 29 26 35	31 35 25 24 29 28 35	31 36 26 25 29 31 33	31 35 24 27 30 32 32	31 33 20 26 31 31 31	30 28 14 19 29 30 24	28 25 13 17 17 26	26 20 14 19 24 28 17	27 25 19 28 29 31 26	33 32 22 32 30 34 29	33 24 33 30 35 30	34 40 30 36 33 36 34	34 37 30 35 33 35	34 36 33 31 32 35	30 29 35 29 29 35 37	26 26 31 25 29 31 31	26 12 31 17 27 29 22	28 13 30 14 24 27 16	31 20 31 13 26 27 16	29 24 31 16 26 27 20	32 24 31 22 26 27 22	33 19 30 24 27 27	35 20 28 24 27 29 12	30 28 26 24 28 30 27
8 9 10	17 26 31	13 19 30	10 17 24	13 18 22 38	8 19 26	3 21 22 37	1 20 15	1 17 8	3 16 13	8 21 15	15 25 20 29	25 28 23 28	35 30 33	36 32 41	34 35 49	33 35 47 35	35 31 34 29	34 16 24	32 10 1	33 13 0	36 10 1	33 9 13	38 19 22	33 26 33	22 21 23
12 13 14	12 8 35 34	17 15 35 35	17 19 35 38	19 19 36 38	16 21 35 35	15 22 33 33	11 18 27 27	7 18 24 24	7 22 25 20	12 22 31 22	22 21 33 30	26 21 33 30	22 25 35 33	19 25 34 33	18 26 34 35	15 27 35 34	5 28 33 30	9 29 26 27	13 29 24 25	15 29 22 25	6 29 24 27	6 30 26 33	1 32 29 31	1 32 31 34	13 24 31 31
16 17 18 19 20	35 37 30 1 18	34 31 29 1	31 30 23 4 26	27 17 17 13 27	33 19 18 26 29	34 14 20 31 30	31 2 14 26 31	26 3 11 21 28	25 17 10 24 30	33 28 17 27 31	33 31 17 28 33	35 37 19 29 37	32 44 24 30 38	33 44 24 30 38	35 47 22 29 38	31 50 17 28 37	10 26	22 27 8 24 29	20 16 6 19 24	22 6 6 22 26	26 2 7 26 24	28 1 7 25 29	30 12 5 26 29	33 26 3 19 32	30 24 15 22 30
21 22 23 24	35 21	35 17	36 13	35 13	35 13	33 13	29 11	23 8	25 8	31 10	32 13	33 16		37 * INVA INVA		35		29		17		17	20	20	
25 26 27 28	42 10 36	42 24 38	42 22 42	40 22 40	40 38 37	41 38 36	40 38 37	37 33 26		29 37 22 25	31 40 9 33	33 45 15 38	35 45 24 44	35 47 21 43	33 46 24 42	43 37	29 39	28 17 39 33	29 19 38 31	31 27 38 29	33 29 38 30	32 30 39 29	33 31 40 27	37 22 40 34	36 30 35
MEAN	27	27	27	27	28	27	23	19	20	25	27	30	34	34	34	33	29	24	21	22	22	24	25	26	26.5

PERCENTAGE OF DATA VALID - 89.7 PERCENTAGE OF DATA INVALID = 10.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0 NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

	ST	TION	- wc	NO	26029		TRAIL	ER EC	NA/FF	REDERI	CK 51	t KI1	CHENER	2		MON	TH - 1	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 6	MEAN
1	41	40	33	33	36	30	24	29	34	38	39	40	42	42	42	42	40	39	36	32	31	30	35	36	36
2	19	37	37	34	30	26	15	16	22	29	38	41	48	51	53	60	45	37	32	20	17	17	14	5	31
3	2	4	4	3	2	1	0	0	0	2	1.1	16	23	23	20	17	15	1.1	10	17	26	29	31	34	13
4	35	35	38	38	36	35	25	18	14	12	7	9	12	16	13	12	9	8	15	20	23	29	28	30	22
5	28	29	29	29	27	26	25	25	27	27	29	29	30	31	29	28	29	29	29	31	31	31	32	32	29
6	35	35	36	36	3.7	39	40	41	39	39	36	38	41	42	45	44	42	40	38	37	35	34	32	32	38
7	34	32	31	29	27	26	26	29	23	32	32	34	37	35	36	35	29	27	30	33	32	24	20	16	30
8	25	32	26	14	15	19	1.7	12	20	27	36	42	44	46	46	45	40	31	23	26	34	41	42	39	31
9	37	36	35	35	37	39	38	41	44	47	50	53	54	55	58	58	54	57	62	63	63	60	56	53	49
10	48	44	42	39	39	39	29	26	26	35	40	42	46	54	64	69	69	52	32	0	0	0	0	0	35
11	0	0	0	0	0	0	0	0	0	6	27	30	48	49	45	42	32	41	35	17	39	52	48	41	23
12	29	8	0	7	1	1	1	6	12	20	20	20	16	15	17	12	11	15	7	7	9	11	14	8	11
13	14	16	26	26	22	22	24	30	30	30	33	39	41	45	47	47	45	40	27	26	19	18	20	15	29
14	11	1.1	10	1.1	14	16	14	12	13	21	28	32	36	38	37	35	32	30	23	12	8	3	0	0	19
15	0	0	0	0	0	0	0	0	2		17	33	45	51	54	47	34	20	5	8	32	17	4	1	16
16	26	43	41	40	39	37	33	29	32	34	35	38	42	40	39	37	37	37	34	35	35	32	32	32	36
17	37	39	42	43	43	43	41	35	35	37	38	40	39	40	42	41	28	18	19	1.1	11	9	8	11	31
18	13	8	1	16	33	36	35	35	29	32	35	35	38	38	34	28	20	19	21	24	36	36	34	28	28
19	28	27	26	27	32	32	8	16	26	31	33	36	47	47	45	45	44	43	35	2	2	35	32	21	30
20	2	9	14	22	22	34	26	26	32	32	36	36	32	18	30	42	43	43	45	45	45	48	49	51	33
21	44	44	36	33	29	20	21	33	••••	42	47	57	63	66	63	60	34	8	9	12	23	22	21	25	35
22	36	40	42	46	48	46	43	33	28	29	29	26	23	32	36	41	40	39	39	39	35	37	38	40	37
23	45	42	45	45	43	42	33	26	22	32	38	42	48	51	51	39	39	35	34	35	40	42	42	42	40
24	43	45	45	45	44	42	39	37	37	39	39	••••	40	40	40	38	35	32	33	32	31	30	32	33	38
25	34	34	35	35	35	32	26	26	28	32	32	35	35	36	38	39	35	32	28	17	19	22	21	18	30
26	20	20	26	29	35	35	24	24	26	26	28	32	31	39	41	35	39	40	31	8	2	6	5	1	25
27	0	0	0	0	0	0	2	13	23	29	35	43	37	32	31	26	29	32	32	26	28	11	7	5	18
28	2	0	0	2	2	3	5	4	2	5		2	5	- 5	2	3	1	0	0	3	5	8	12	7	3
29	13	26	1.1	20	13	7	13	28	35	45	48	52	56	58	61	64	65	63	60	56	51	49	44	41	41
30	7	2	0	0	,	2	5	4	7	34	41	48	57	60	62	63	60	59	53	45	51	50	47	20	32
31	42	45	35	48	43	37	39	34	39	39	39	40	••••	38	38	39	36	35	29	23	23	26	30	31	36
MEAN	24	25	24	25	25	25	22	22	24	29	33	35	39	40	41	40	36	33	29	25	27	28	27	24	29.2

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	iT - (	ZONE	- CHEMI	LUMII	NESCEN	NT.					L	INITS	- PAI	RTS/B	ILLIO	4							
	STA	TION	- WC	NO	26029		TRAILE	ER EDP	AA/FRE	DERIC	K ST	KIT	CHENER	2		MON	тн - ,	APR	77						
HQUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1	29	28	29	28	28	13	2	5	15	21	34	39	36	38	36	28	23	23	18	3	7	12	17	21	22
2	22	21	19	13	10	8	8	10	10	8	9	10	6	7	1	0	13	17	24	28	42	40	44	46	17
3	48	36	32	39	42	40	39	39	38	38	39	41	42	42	42	41	38	34	29	2	4	3	14	21	33
4	28	31	33	26	26	29	34	33	32	35	35	33	31	32	29	14	14	22	26	27	27	26	26	22	28
5	18	15	1.1	26	33	32	32	33	35	36	39	41	44	42	40	39	38	37	38	39	41	40	40	41	35
6	42	42	43	43	43	42	40	39	39	39	40	39	41	42	44	44	41	39	39	39	36	35	36	39	40
7	36	32	29	29	30	27	24	24	29	37	32	28	29	26	29	26	23	14	7	20	32	38	45	48	29
8	44	43	43	46	47	48	46	46	46	46	46	48	48	48	49	49	48	47	39	35	31	32	23	14	42
9	11	14	17	20	20	16	18	22	29	38	40	44	49	50	51	53	52	51	50	36	20	3	4	5	30
10	0	0	0	0	5	24	16	27	38	41	42	48	53	49	53	54	48	47	34	8	3	2	0	0	25
11	0	0	0	0	2	26	29	32	39	46	56	63	76	82	90	94	93	92	82	72	67	65	62	60	51
12	66	61	56	51	53	55	46	49	57	60	69	76	79	79	*	81	76	69	54	44	48	54	59	57	61
13	57	57	45	40	41	41	40	42	45	48	57	67	76	79	82	63	62	60	44	45	44	46	45	44	53
14	39	39	39	37	35	26	23	19	20	28	35	39	38	42	42	40	32	28	20	10	6	5	5	5	27
15	4	6	5	8	10	13	11	8	8	24	33	35	36	34	32	35	31	29	27	В	5	8	16	1.1	18
16	9	В	16	7	0	0	0	10	23	26	41	43	45	45	45	46	47	40	35	6	21	2	0	0	21
17	1	0	0	0	0	0	1.1	27	32	37	45	48	48	54	60	57	63	60	26	20	5	11	5	0	25
18	0	0	0	0	8	0	0	0	1.1	26	31	31	26	20	28	23	5	2	4	5	3	1	1	0	9
19	0	0	0	0	2	2	2	7	13	24	-		36	39	51	45	40	39	41	20	24	20	19	6	20
20	9	17	8	11	8	8	3	1	13	30	48	54	62	67	72	73	77	75	63	45	15	37	45	52	37
21	54	53	51	51	49	48	42	41	39	48	54	55	54	65	63	62	60	60	45	40	37	54	49	40	51
22	48	51	45	37	34	34	24	22	18	15	11	11	17	16	15	14	10	6	5	6	12	15	19	23	21
23	27	27	33	35	37	35	31	32	32	27	23	24	24	24	25	23	23	20	16	15	15	20	22	19	25
24	14	14	14	20	22	26	23	24	26	26	24	23	23	21	20	23	24	16	14	15	14	17	19	28	20
25	29	30	32	27	23	14	1.1	8	20	23	29	29	23	23	26	17	12	8	9	11	8	11	10	8	18
26	2	0	0	0	0	0	5	2	4	16	19	20	27	27	27	27	18	37	35	26	17	15	16	23	15
27	27	26	20	24	21	9	14	24	27	32	35	39	45	45	52	54	56	60	59	56	55	55	47	48	39
28	46	39	31	29	29	32	25	21	27	29	26	27	26	27	32	31	29	33	35	35	29	23	20	20	29
29	20	24	26	27	26	23	21	23	29	32	34	38	41	43	43	43	41	42	35	21	11	2	6	8	27
30	4	5	4	9	0	0	1	14	25	32	44	48	53	54	57	60	60	60	57	42	38	39	39	32	32
MEAN	24	24	23	23	23	22	21	23	27	32	37	39	41	42	43	42	40	39	34	26	24	24	25	25	30.1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	51	ATION	- wc	NO	26029		TRAIL	ER ED	NA/F	REDER	ICK ST	KIT	CHENE	R		MON	тн	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	48	46	39	40	39	37	39	40	40	40	44	49	56	58	56	58	60								
2	34	34	36	39	37	35	34	37	39	42		49	46	47	46	46	48	58	44	36	35	36	37	36	45
3	5	6	0	0	0	2	27	44	48	56		66	73	77	76	77	67	48	43	36	19	4	0	1	35
4	75	72	70	67	63	52	45	48	51	50		54	58	65				65	63	59	65	73	75	75	48
5	63	54	49	44	44	39	33	33	32	31	20	25	49		65	63	64	68	68	73	75	71	68	65	63
6	50	36	48	51	52	45	38	43	36	12	25	22	54	51	54	46	54	53	50	36	24	1.1	3	28	39
7	20	16	20	18	15	4	5	6	3	4	4	8	8	73	63	20	8	1.1	2	15	22	20	17	20	33
8	0	0	5	18	20	30	31	15	13	18				5	3	0	_1	2	0	0	0	0	0	0	6
9	36	44	40	37	34	25	24	27	25	28	40	35	30	30	23	39	39	34	30	27	25	23	18	5	22
10	12	13	11	17	12	8	11	23	24			37	36	36	34	32	30	30	27	8	4	7	7	15	28
		13	1.1	1.0	12		9.9	23	24	28	30	32	32	34	37	32	31	33	24	14	11	12	14	18	21
11	19	6	4	0	0	0	4	11	11			30	40	53	46	38	37	40			-		_	-	*******
12	45	43	56	49	47	40	37	32	51	57	65	69	73	73	64	65	57	61	46	59	57	30	31	33	27
13	46	45	42	37	42	40	39	38	39		42	41	42	42	38	37	38		63	63	60	58	58	53	56
14	17	30	2	10	4	0	0	0	25	29	38	49	51	57	63	62	57	38	35	32	12	1.1	10	24	35
15	70	85	76	67	73	75	63	56	60		87	95	90	89	42	43		67	63	68	61	67	71	68	40
16	41	40	37	37	22	25	14	26	25	37	42	50	38	50			57	60	62	53	57	53	39	46	65
17	49	44	42	41	38	34	39	42	51	56	59	58	56	53	64	58	64	68	55	50	45	53	54	54	44
18	12	21	39	12	1	o	0	41	56	57	63	70			47	49	51	52	49	45	34	31	27	9	44
19	42	56	52	48	40	39	34	30	31	32			73 53	73	80	84	73	54	46	39	27	4	20	34	41
20	52	58	63	67	68	67	62	59	60			48		63	65	63	63	65	61	56	31	8	0	25	44
	-	50	43	07	00	67	62	29	60	61	64	72	73	73	74	79	82	€2	82	84	70	65	73	73	69
21	70	66	60	58	49	42	44	35	27	28	28	28	29	28	22	24	21	27	18		11		-		
22	23	23	18	15	9	4	4	13	19	20		15	16	18	15	19	15	15	24	13	13	16	25	20	33
23	1.1	20	22	22	18	13	17	22	27	31	31	34	37	40	54	46	38	43		15	7	- 6	4	7	14
24	44	47	46	46	46	44	52	51	50	61	74	84	78	67	71	66	68	67	43	41	42	50	45	37	33
25	61	64	62	60	51	48	38	30	32	32	30	30	28	26	25	25	25		54	56	58	66	69	63	60
26	24	26	23	23	20	16	1.1	17	24	24	25	25	27	30	27	26	29	27	26	20	22	24	24	24	35
27	21	25	2	1	0	0	4	3	13	24	24	35	25	32	29	24	34	30	25	17	13	20	19	20	23
28	3	0	0	0	0	0	0	8	14	41	37	45	46	52	32	39	34	25	39	32	25	25	20	24	20
29	0	0	1	1				11	30	40	61	68	54	52				54	54	28	22	12	2	0	22
30	38	37	33	38	34	30	33	37	42	37	35	35	37	40	45 37	37	33 36	29	36	47	44	43	42	39	34
				-				3,	72	3,	33	35	31	40	37	31	36	38	41	35	31	26	11	4	33
31	0	0	2	12	9	11	19	34	49	49	70	73	75	79	73	63	67	63	71	70	58	56	51	52	46
MEAN	33	34	32	31	30	27	27	29	34	37	44	46	48	51	47	45	45	45	43	40	34	32	30	31	37.3

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	OZONE	- CHEM	ILUMI	NESCE	NT						UNITS	- PA	RTS/B	ILLIO	N							
	ST	ATION	- WC	NO	26029		TRAIL	ER ED	NA/FR	EDERI	CK ST	KIT	CHENE	R		MON	тн -	AUG	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	52 22	50 18	48 23	41 26	36 27	32 20	30 18	30 23	28 32	27 43	25 45	25 56	27 61	29 61	30 59	31 55	30 56	28 58	25 45	14 42	3 44	0 48	0 43	15 45	27
3 4 5	59 45 23	59 45 24	56 44	36 43	19 30	22	24	1 29	39 41	50 56	50 60	49 62	53 63	54 63	56 60	57 60	49 63	44 67	41 54	48 49	47	38 26	46 31	45 45 28	40 42 46
6	49 0	45	43 44 2	38 38 7	31 35	25 31	38 31 16	37 32	37 31 16	39 25	41 29 26	44 31 36	48 35 48	51 38 49	54 40 51	61 36 49	70 34 61	80 33	75 23	64 9	65 10	62	54 10	52 4	48 29
9 10	50 33	49 33	48 26	46 25	45 24	37 10	29 4	31 4	3B 9	37 15	33 21	17 27	27 28	30 29	24	33 37	36 30	60 41 24	59 44 16	48 35 8	40 35 4	29 35 5	36 29	41 31 12	31 36 20
11	13	13	19	34	17 34	29	1 26	13	20 36	26 40	28	28	35 43	39	50	57	57	56	54	51	45	39	39	40	32
12 13 14	31 43	27 36	24 36	22 43	12	11 34	9 32	11 35	13	25 47	35 52	38 55	41 58	41 41 59	41 42 58	41 41 59	38 46 60	35 50 61	27 48 56	21 26 48	25 2 44	27 28 36	30 38 35	33 38 35	35 29 46
15	36 3 3	37 0 8	40 0 13	43 0 5	44 3	4B 0	46 0	33	30 18 2	32 23 5	33 29 4	33 28 2	33 33 6	32 31 7	31 31 8	31 37 7	30 37	29 34	24	8	4	1	0	0 5	28 15
17 18 19	22	43 20	39 21	32 19	33 18	32 18	14	20 15	25 16	26 18	27 21	29 22	28 25	28 22	29 21	29 20	29 21	30 24	5 29 23	14 26	19 24	32 24 0	34 22 0	34 21 0	9 29 16
20	25	0 26	24	0 27	24	21	18	20	25 22	21	38 21	38 22	42 20	42 21	41 24	34 26	25 26	26 29	25 29	18 11	19	22	10	22 5	20
21 22 23 24	0 37 39 7	0 38 36 8	38 33 8	0 37 29 8	0 34 25 7	28 20 20	22 8 0	7 19 10	19 12 3	16 20 16	24 21 16	34 22 17	45 22 18	46 23 18	43 24 17	35 24 12	30 24 8	31 25 6	39 23 3	33 8 4	29 17 4	34 51 5	33 53 5	32 44 5	22 28 15
25 26 27 28 29 30			×		353	•	•	,	,			- DA 1	A UNA	AVAILA AVAILA AVAILA AVAILA	BLE -		,		•	•	*	*	*	•	•••••
31 MEAN	28	27	28	26	23	19	16	18	23	29				AVAILA											
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PERCENTAGE OF DATA VALID - 75.4 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 24.6

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/RILLION

	, ,			20112	CHEM	1 .0001	MESCEI	N.J						UNITS	- PA	RTS/B	ILLIO	N							
	ST	AT I ON	- wc	NO	<b>2602</b> 9		TRAIL	ER ED	NA/FR	EDERI	CK S	T KIT	CHENE	R		MON	тн -	VOV	77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	24 16 0 4 7 14 5 13	25 14 0 6 16 9 9	24 14 0 6 15 7 10 17 0 4	23 16 0 1 22 7 11 18 0	22 15 0 1 24 7 10 17 2	20 8 0 0 26 6 11 14 2	15 1 0 20 5 8	7 0 0 18 5 2	5 0 0 1 15 7 2 6	9 3 1 18 6 0 5	15 17 13 3 21 6 0 8 3	22 13 5 18 8 0 8	22 27 13 7 17 7 3 7	19 28 10 7 18 6	16 10 16 8 16 6	9 9 14 8 16 9 3	5 7 11 3 13 2 6 3	0 0 1 13 0 5 0	0 0 0 2 17 0 5	0 0 2 17 0 6 0	0 0 2 17 0 10 0	0 0 7 19 0	0 0 0 11 19 0 14	5 0 0 13 17 1 13 0	12 9 4 4 17 5 7
11 12 13 14 15 16 17 18 19	16 28 15 15 10 32 0 8 19	16 28 10 14 6 31 1 16 19	16 29 13 14 0 28 8 17 18	4 15 32 16 18 0 28 2 16 21 1	14 34 26 15 0 28 9 11 26	13 30 27 13 0 30 21 14 32 2	0 14 25 26 5 0 25 19 10 26 12	15 13 25 19 2 0 21 4 10 19 8	21 13 22 25 20 21 6 9	16 13 18 26 10 3 23 7 11 16 7	27 14 18 27 13 6 21 9 15 16 9	14 16 28 20 9 25 17 12 26	16 23 25 28 26 8 23 20 13 29	15 23 28 26 5 19 14	15 23 27 26 27 6 17 11 16 26 8	20 21 26 28 16 7 17 9 13 23 6	22 20 23 23 6 16 10 9 13 18 4	20 22 17 18 4 16 6 16 11 15 3	21 25 18 7 2 17 10 8 13 21	17 25 17 9 1 10 9 0 13 19 0	18 28 10 4 2 18 10 9 18 7	17 25 15 1 6 30 4 6 17 0	17 25 22 3 4 31 10 17 0	18 26 14 11 6 31 0 13 16 0	14 19 23 19 11 10 18 10 13 18 5
21 22 23 24 25 26 27 28 29 30	17 31 9 0 27 6 27 13 2	28 29 1 0 22 11 18 11 2	28 20 0 0 25 15 26 7 2	27 21 0 1 27 27 31 6	28 23 0 2 16 29 29 1	28 23 0 4 14 29 28 2 2	23 15 3 4 11 26 30 1	18 9 7 4 8 25 29 1 0	14 9 7 26 26 22 3 0	16 16 7 6 26 15 3	22 21 8 12 5 26 32 7 0	23 24 7 7 4 26 33 7 2	25 24 5 8 6 29 37 9	26 20 3 14 5 30 34 7 2	27 17 1 19 1 32 23 9 4	27 10 0 19 0 30 20 10 4	20 7 0 16 0 29 14 7	14 9 0 12 0 30 9 6 0	11 3 0 14 0 31 9 5 0	13 5 0 18 0 32 9 3	17 1 0 21 0 28 10 1	17 1 0 24 2 18 11 0	21 2 0 26 5 25 10 2	32 0 26 5 24 10 3 0	22 14 2 11 8 25 22 5
MEAN	12	12	12	13	13	13	11	9	9	10	13	14	16	15	14	13	10	8	8	8	8	8	9	10	11.2

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	DZONE	-CHEM	LUMI	NESCE	NT						UNIT	S - F	ARTS/	BILLI	ON							
	ST	HOITA	- WC	NO	26029		TRAIL	ER ED	NA/FF	EDERI	CK ST	KIT	CHEN				NTH -		77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	1.1	12	13		15					20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 23 9 18 0 35 28 25 9	0 21 22 14 0 37 30 25 5	0 21 27 16 0 31 30 25 1	0 22 32 19 1 31 7 5	0 20 35 17 4 31 29 1 7	0 20 31 28 10 27 26 1 7	0 20 28 34 18 22 23 0 5	0 16 25 31 18 12 13 0 3	0 12 21 31 11 14 13 0 7	2 16 18 32 6 22 20 5	15 17 19 35 8 24 21 1 15	20 22 35 12 28 25 1 17 26	21 24 34 16 26 29 1 23	22 19 35	22 26 35 18 21 28 4	22 28 29 26 18 25 1	13 20 16 27 13 12 2	17 15 4 29 14 8 4	20 22 2 32 15 15 4	12 23 0 35 18	17 14 13 0 35 20 21 4	1 8 1 5 1 2 0 3 2 2 1 2 0 8 2 5	10 12 0 34 23 21 9	16 34 24 20 10	18 22 19 18 23 22 6
11 12 13 14 15 16 17 18 19 20	0 0 15 0 1 0 9 26	0 0 16 0 1 7 12 26 8	7 0 16 0 2 5 17 26 13 3	8 0 15 0 12 4 19 21 11	0 8 14 0 20 1 20 23 13	0 12 11 0 19 0 22 25 14 20	2 1 7 0 8 0 22 26 11	10 0 2 0 1 0 21 27 10 16	†2 1 3 0 1 0 15 26 6	9 6 0 5 0 13 26 5	14 4 6 0 7 1 16 24 4	17 7 7 0 7 2 18 21 4	17 7 11 0 11 3 17 20 3	23 15 12 0 8 4 20 19 3	19 14 11 0	14 8 4 0 12	3 8 0	0 9 1 0	2 0 13 1 0 0 21 2 0	101611001000000000000000000000000000000	1 0 20 1 0 1 2 2 2 5 0 2	0 20 1 0 5 4 24 6 0 8	0 18 0 0 5 5 25 4	0 1 177 0 0 5 8 25 3 0	
21 22 23 24 25 26 27 28 29 30	5 0 16 31 9 18 0	6 0 15 29 10 15 0	11 3 6 0 26 29 10 15	14 3 8 0 32 29 11 20 7	14 0 13 0 36 29 13 17	14 0 15 3 37 31 13 15 29 0	10 0 17 4 38 31 13 9 25 0	7 0 15 0 37 29 10 3 22 0	6 0 15 0 36 28 16 10 17 0	7 2 20 1 36 30 22 19 18 0	8 3 21 2 35 31 30 25 24 0	10 5 21 9 35 32 32 26 24 0	14 10 27 15 36 35 36 30 24	17 12 27 15 36 34 34 27 28	17 10 26 15 36 34 33 27 29	16 3 19 8 35 30 29 21 17	8 2 11 0 32 24 22 14 2	5 4 4 0 32 18 20 12 0	5 4 1 31 14 17 11 0	6 10 3 1 31 15 16 11	6 12 5 0 30 12 16 10	5 15 6 1 30 11 21 8	6 15 5 2 28 13 17 4 0	4 6 3 9 26 11 18 0	9 5 13 4 32 25 20 15
MEAN	10	11	12	12	13	15	14	12	11	14	15	17	19	I NVA I 19	19	15	10	9	9	10	10	11	11	10	12.8

PERCENTAGE OF DATA VALID - 94.8 PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - D.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - DZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH - JAN 77 В 13 14 20 21 24 MEAN DAY 25 17 25 6 18 4 23 16 0 13 0 23 5 18 20 4 5 0 1 6 0 19 9 10 13 6 11 18 15 19 16 1 22 18 0 11 0 8 18 9 14 8 14 20 15 20 24 4 13 4 17 16 14 17 15 15 2 4 0 6 3 4 5 6 7 8 9 16 0 11 0 18 5 22 12 16 3 6 1 12 1 8 0 9 8 3 10 2 3 18 6 16 6 0 11 13 11 10 19 0 13 20 4 18 22 0 11 13 6 14 24 18 12 17 12 10 13 20 15 20 10 14 20 13 13 13 4 20 16 10 11 12 13 14 15 16 17 18 19 20 16 10 6 0 23 26 16 12 25 9 8 0 7 12 17 12 4 20 13 3 0 20 25 18 11 21 6 9 0 7 6 0 18 20 18 1 3 4 4 7 13 11 9 17 25 18 12 16 13 3 0 10 20 9 11 3 3 14 13 10 18 27 14 19 21 14 8 1 13 24 13 16 12 18 10 2 15 25 16 20 22 11 5 0 11 23 9 12 13 8 4 0 17 6 0 18 21 8 13 13 11 0 0 19 21 7 13 12 12 0 0 20 19 6 16 13 5 10 0 16 19 15 16 17 5 9 3 0 23 23 15 14 22 2 12 0 0 18 19 13 17 14 6 11 6 17 27 16 18 24 18 13 12 21 12 11 6 25 25 4 10 22 22 16 15 8 25 16 11 22 23 24 10 16 8 13 17 9 8 14 22 23 24 25 26 27 28 29 22 15 9 3 19 23 14 17 13 4 1 22 24 4 16 21 22 5 7 22 20 8 18 22 19 18 4 3 20 19 21 21 23 6 11 21 20 16 20 24 22 23 8 14 23 20 26 22 25 22 19 9 14 20 21 23 22 20 18 10 13 23 21 20 22 21 16 5 13 25 22 20 21 20 14 2 14 16 20 20 20 4 0 13 11 4 20 13 21 16 13 3 19 19 15 16 20 2 7 0 13 13 17 17 10 4 0 14 16 12 22 18 21 9 6 0 15 16 16 20 16 21 7 9 1 16 20 13 15 16 19 17 16 0 14 18 18 18 13 2 13 8 4 22 26 16 12 3 5 23 25 11 16 8 1 6 24 23 13 12 2 3 23 25 11 15 15 13 2 0 16 19 5 23 23 13 18 15 15 

PERCENTAGE OF DATA VALID - 99.1

MEAN

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

1 1  13.0

NOTES 1. "..." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- \*- INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT - 0	ZONE	-CHEM	ILUMI	NESCE	NT					į	UNITS	- PA	RTS/B	ILLIO	N							
	ST	ATION	- WC	NO	27037		NORTH	/GENE	VA ST	REET,	ST.	CATH	ARINE	s		MON	th - 1	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	25	17	13	13	14	16	20	18	20	21	22	27	28	30	27	25	23	23	20	15	16	18	16	20
2	21	22	23	28	27	27	25	18	14	16	21	25	31	30	27	30	20	13	10	10	16	15	12	11	21
3	13	18	15	13	17	20	23	20	20	22	20	22	22	24	24	23	25	25	23	26	27	27	25	24	22
4	22	20	20	19	16	14	1.1	8	8	18	25	27	30	30	27	24	26	25	26	27	24	17	22	23	21
5	17	16	14	9	21	23	25	20	12	14	18	23	27	26	25	25	23	22	24	23	23	23	22	20	21
6	19	13	13	20	20	16	16	18	20	20	22	24	25	27	27	25	24	20	20	20	20	20	19	20	20
7	22	20	19	18	20	18	5.5	6	7	18	20	24	26	28	28	25	21	20	19	16	18	20	18	20	19
8	22	24	24	20	10	6	5	4	8	14	18	24	31	32	32	26	25	18	16	23	32	24	21	16	20
9	16	14	16	18	17	14	16	13	13	14	15	18	21	23	18	16	15	14	22	19	32	32	23	21	18
10	23	21	18	8	8	8	9	4	4	В	15	23	30	32	45	57	39	16	2	o	ō	0	0	20	16
1.1	38	36	37	37	37	37	37	28	32	32	27	31	31	25	30	28	21	25	27	23	23	22	16	11	29
12	13	10	1.1	16	11	13	11	9	8	16	23	26	27	26	19	13	8	1	3	2	3	- 1	1	4	11
13	23	13	13	15	15	9	17	18	18	18	18	19	16	14	17	16	16	18	18	22	21	23	25	26	18
14	27	27	30	29	29	27	21	17	18	23	25	25	25	26	24	23	21	19	16	22	24	14	15	16	23
15	22	24	21	24	25	24	23	16	18	22	-	2	2					-		•••		-		10	
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17	20	20	20	22	22	24	21	14	17	24	25	28	31	27	32	33	27	20	18	15	17	17	22	23	22
18	13	13	17	19	20	15	12	9	11	13	13	16	22	22	20	17	13	6	15	12	8	7	-5		13
19	8	7	7	7	6	3	3	1	4	18	19	23	26	25	26	26	24	16	10	12	9	10	11	11	13
20	21	16	13	13	15	20	20	20	17	20	19	16	17	20	25	27	20	16	8	4	4	13	6	4	16
21	3	5	12	18	26	28	25	18	19	24	27	28	27	25	29	29	28	25	25	21	23	18	16	15	21
22	16	20	21	19	23	23	16	1.1	8	11	18	23	21	18	20	20	17	7	1	2	2	2	o	ő	13
23	1	0	1	6	8	1.1	15	16	20	21	20	20	21	18	18	20	20	21	20	22	20	21	25	23	16
24	25	20	18	16	13	9	3	1	1	0	0	18	• • • •	27	20	14	6	18	22	11	4	15	15	15	13
25	18	19	23	20	19	20	20	17	13	15	17	21		25	24	20	20	20	16	20	20	20	18	20	19
26	28	29	29	31	33	31	27	31	29	29	31	33	37	36	34	31	32	27	24	18	21	21	22	24	29
27	21	16	24	23	15	12	5	4	3	10	19	10	11	10	12	14	27	29	31	31	29	31	32	30	19
28	35	35	33	31	31	29	26	21	16	22	24	24	27	30	32	29	25	27	23	22	27	26	25	23	27
MEAN	20	19	19	19	19	18	17	14	14	18	20	23	25	25	26	25	22	19	18	17	18	18	17	17	19.3

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 3.9

- \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

1 1 46 4 4 2 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 46 52	710N 2	3 - WC	4	27037		NORTH	/GENE	EVA ST	REET.	ST	CATH	AADTNE	•		190.401.0000.0									
1 46 4 2 5 5 9 4 0 0 5 29 3 6 43 4 7 7 7 8 3 9 29 3 1 17 1 2 19 1 1 17 1 2 19 1 1 17 7 8 3 9 3 3 9 3 4 4 4 4 5 1 0 1 6 12 1 7 7 8 8 9 0 1 6 12 1 7 7 8 9 1 2 1 9 1 2 1 1 2 1 3 3 9 3 3 3 4 4 4 4 4 4 5 1 1 2 1 2 1 1 2 1 2 1 1 2 1 2 1 1 2 1 3 3 9 3 3 3 4 4 4 4 5 1 2 1 2 1 5 1 3 4 9 4 4 6 4 6 4 6 6 6 6 5 6 0	46 52		3	4	-							9.00		3		MON	ITH .	MAY	77						
2 52 44 9 9 14 9 15 15 15 15 15 15 15 15 15 15 15 15 15	52	905			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MΕΔ
3 9 9 5 6 7 7 7 8 3 3 9 9 29 16 1 17 1 17 1 19 1 2 3 3 9 9 1 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		41	40	41	44	34	47	41	44	56	72	76		4											
4 0 0 16 43 47 7 7 8 9 29 3 1 2 1 1 1 2 1 1 1 1 2 1	9	48	44	41	34	33	24	11	12	16	27	27	75 33	71	71	67	66	75	75	64	56	56	56	62	
5 29 3 4 4 7 7 7 7 7 7 7 8 8 9 0 7 7 7 7 7 7 7 8 8 9 0 7 7 7 7 7 7 8 8 9 0 7 7 9 1 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		5	7	16	19	14	18	23		29	31	31	34	41	40	40	39	37	29	24	23	27	27	20	
6 43 47 88 90 16 11 17 18 19 13 39 9 13 39 9 14 4 4 15 10 16 17 77 8 8 90 77 8 9 11 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0	2	5	16	12	5	5	3	6	8	12	16	15	35	38	39	39	39	34	16	12	6	3	3	
7 7 7 8 9 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	29	32	32	37	33	27	17	4	3	6	8	2	3	В	12	9	10	9	10	20	22	17	17	26	
8 3 3 9 29 3 9 9 29 9 29 16 1 1 1 7 1 1 2 1 1 9 1 3 3 3 9 3 4 4 4 4 5 5 0 0 66 12 1 7 7 7 7 7 7 8 9 31 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	43	43	41	41	38	32	27	20	29	43	46			2	3	31	8	9	10	43	46	52	52	49	
9 29 31 17 17 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	7	8	Q	13	21	22	26	29	29	31	32	49	50 45	50	48	49	43	42	38	17	4	4	9	14	
0 16 1 1 17 1 2 3 39 3 4 4 4 5 0 0 6 12 1 7 7 7 8 8 90 7 9 31 2 9 31 2 9 31 2 1 25 5 5 5 6 6 12 1 7 7 7 7 8 8 9 31 2 9 31 3 9 3 3 3 3	3	5	8	10	22	24	27	35	3R	39		39		45	45	47	45	41	32	19	4	0	0	0	
0 16 1 1 17 1 2 19 1 3 39 3 4 4 4 5 0 0 6 12 1 7 77 78 8 8 90 7 9 31 2 9 31 2 9 3 4 9 4 1 25 5 5 5 5 5 9 4 9 4 1 2 5 9 5 9 6 9 7 9 7 9 7 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	29	31	33	33	31	28	25	24		24	40	41	43	43	39	37	37	34	30	26	28	32	31	29	
1 17 1 12 19 1 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4		18	20	22	24	24	20		22		28	31	31	32	31	31	27	23	21	24	25	22	26	24	
2 19 1 39 3 4 4 4 5 0 6 6 12 1 7 7 77 8 9 90 7 90 31 2 1 25 5 5 5 5 5 4 4 6 4 6 6 6 4 6 6 6 6 6 6 7 8 7 7 8 8 9 0 7 7 8 8 9 9 0 7 7 8 8 9 9 0 7 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			• 0	• •	.5.3	2.4	20	20	23	29	25	33	39	40	43	43	44	38	23	18	15	6	1.3	20	
3 39 3 4 4 5 0 6 12 1 7 77 8 8 90 7 9 31 2 0 44 4 1 25 1 1 25 5 5 5 49 49 4 4 6 6 6 0		16	1.4	18	15	7	14	19	22	26	36	39	51	55	55	52	52	50	52	50		-	22		
4 4 64 64 65 0		15	20	22	25	25	21	21	34	38	48	56	54	46	38	34	32	50	47	58	62	53	3.3	20	
5 0 12 1 17 77 88 90 7 77 89 31 2 2 55 1 2 55 5 3 49 4 4 64 6 6 6 3 1 3 6 6 0		39	42	43	52	40	29	30	30	29	27	30	31	26	27	17	14	20		43	42	38	36	38	
12 17 77 8 8 90 7 99 31 2 2 5 5 5 5 3 49 4 4 6 4 6 6 31 3 6 6 0		2	1	1	0	2	6	17	24	29	30	34	50	55	57	58	59	58	8	_ !	1	2	3	6	
77 77 8 8 90 7 9 31 2 0 44 4 1 25 1 1 2 55 5 1 3 49 4 4 64 6 6 31 3		0	0	0	0	3	9	21	26	31	36	39	40	42	45	62	63		51	34	20	13	1	0	
90 7 9 31 2 0 44 4 1 25 1 1 25 5 3 49 4 64 6 5 31 3 6 0		13	15	20	17	3	6	10	22	41	44	51	60	68	80	87	89	57	29	12	14	28	31	13	
9 31 2 0 44 4 1 25 1 2 55 5 3 49 4 4 64 6 5 31 3		80	66	62	59	55	50	44	57	75	90	102	102	108	109	83	85	89	82	89	BO	82	78	76	
0 44 4 1 25 1 2 55 5 3 49 4 4 64 6 5 31 3 6 0		76	69	59	55	45	43	36	43	44	43	42	44	69	67	60		78	77	78	80	84	104	104	
1 25 1 2 55 5 3 49 4 4 64 6 5 31 3		23	19	1.7	10	8	7	10	22	30	37	45	51	57	70		58	56	55	43	34	34	36	36	
2 55 5 3 49 4 4 64 6 5 31 3	44	48	38	32	29	15	1.1	9	22	35	53	63	58	64	66	73 65	70 78	76 78	72 68	56 56	58 48	57	51	51	
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3 49 4 4 64 6 5 31 3		50	51	48	48	45	43	49	55	40	50	80	108	117	120	121	123	118	98	95	90	73	69	60	
4 64 6 5 31 3 5 0		46	45	44	41	42	42	43		62	71	78	77	76	83	83	85	85	61	43	29	8	31	55	
31 3		63	66	62	50	53	41		48	57	75	80	75	64	63	68	66	52	31	75	70	58	69	73	
5 0		34	34	36	25	24		33	40	55	54	67	88	87	79	37	46	62	34	16	7	13	26	38	
		0	0	1	25	11	16	17	38	45	44	45	43	51	60	57	50	45	34	22	13	10	4	1	
	12	6	6	7	4	3	7	1 7	25	28	31	32	50	62	72	78	76	63	38	16	10	10	7	ė	
		40	35	34	36	29	25	29	21	30	35	43	50	45	64	84	94	100	73	64	59	63	65	59	
		42	39	39	38	35			41	59	69	77	88	93	97	95	87	51	27	37	41	50	50	49	
		24	27	25	18	5	15	31	30	31	31	31	30	31	32	34	34	38	41	27	20	10	1	1	
	•		21	20	10	5	15	17	24	30	35	41	55	65	71	71	75	81	72	38	34	33	32	24	
12 1	2	17	20	34	34	17	6	7	17	33	46	52	69	73	64	65	53	49	41	27	33	66	69	64	
N 29 2	9	29	28	29	27	23	22	23	29	36	42	47	53	56	58	57	56	55	45	39	35	34	35	34	3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- \* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT - (	DZONE	- CHEM	ILUMI	NESCE	NT						UNIT	5 - p.	ARTS/	31LL10	ON							
	ST	ATION	· wc	NO	27037		NORTH	/GENE	VA S	TREET,	ST.	CATE	HARIN	ES		MON	TH -	JUN	77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	59	55	40	36	31	40	37	35		43	43	48	49	48	44	45	49	50	20				W10		
2	34	33	33	29	28	29	26	22	22	22	14	12	1.1	6	6	6	6	7	39	31	31	35	34	29	41
3	1	3	5	6	6	5	5	8	15	19	26	31	38	39	43	43	42	36	6	11	12	1	0	О	16
4	_1	9	16	17	20	22	31	33	38	43	50	59	65	70	73	68	86	78	37 78	38	29	28	19	4	22
5	83	76	76	58	50	46	57	57	57	54	50	45	48	45	43	43	42	38		79	75	69	71	79	51
6	22	20	23	24	18	14	4	6	12	13	8	В	8	13	17	19	19	17	36	15	7	9	1.1	18	44
7	19	20	20	20	22	22	18	15		29	31	32	34	35	30	33	33	31	20	22	22	22	15	15	16
8	19	19	19	14	15	15	1.4	13	15	23	33	38	43	42	38	33	34	34	29 34	25	24	18	18	17	25
9	24	26	24	29	31	27	20	15	13	12	10	13	20	22	24	22	27	30		32	26	10	8	7	24
10	8	7	5	5	5	4	7	8	13	15	22	32	40	41	43	43	41	41	31	20	14	11	10	9	20
115																	-	41	41	29	23	20	7	3	21
11	3	0	3	13	14	5	17	22	27	30	35	42	41	51	52	51	51	49	44		2.2	2.2	12		
12	46	31	50	58	56	51	45	48	45	46	41	36	34	34	39	34	33	30	20	38	34	33	29	35	30
13	1	0	0	0	0	1	4	10	16	22	25	27	27	27	29	17	15	19		11	6	0	1	1	33
14	15	17	22	22	18	7	4	4	9		17	25	38	45	45	43	44	49	18	17	10	. 1	0	3	12
15	2	3	8	10	13	5	12	26	37	39	41	48	45	38	36	31	33	34	31	23	3	10	10	8	23
16	0	0	0	3	3	3	3	17	25	38	39	45	43	57	62	64	68	65		20	1	0	0	0	21
17	50	64	86	85	84	74	45	34	47	59	73	80	95	87	79	72	71	66	53	27	9	8	13	42	29
18	51	55	41	35	36	35	32	38	37	38	38	39	44	53	62	66	68	66	63 65	46	50	13	24	29	62
19	35	37	38	30	33	33	32	34	36	42	45	48	48	48	45	45	44	40	33	65	65	52	48	44	49
20	1	1	6	6	15	19	24	26	34	34	29	29	43	48	43	44	38	22	20	14		. 1	. 1	1	32
		1000													- 3		50	22	20	1.4	6	10	19	17	23
21	15	10	5	5	9	6	7	13	15		32	38	45	45	43	44	45	36	31	25			11-41	200	9000
22	1.1	15	15	10	12	12	12	18	22	27	36	45	43	42	43	48	48	49	35	26	13	4	6	9	22
23	17	0	0	0	0		3	10	15	31	41	65	59	50	43	45	47	39	34	29	7	0	0	0	24
25		3	0	1	1	5	6	1.1	24	45	59	85	100	103	109	109	107	106	106	110	104	93		15	22
	79	78	79	69	57	52	30	29	39	41	51	57	62	59	60	48	57	61	46	31			86	85	61
26	- 5	12	15	17	21	25	26	29	34	38	44	48	65	69	71	68	62	60	58	51	6	8	0	1	46
27	55	52	48	41	37	35	35	40	52	57	52	56	65	66	65	60	62	66	66		45	44	45	46	42
28	3	29	38	49	51	45	38	38	39		52	50	56	59	60	48	56	61	59	51 64	23 64	-1	-1	0	45
29	42	41	39	42	48	41	30	34	36	36	36	36	35	32	32	30	25	27	27	20		58	55	46	49
30	12	14	17	13	10	9	14	24	38	47	56	60	65	68	49	49	62	62	60	50	13 57	50	9 46	15	31 41
MEAN	24	24	26	25	25	23	21	24	29	35	38	43	47	48	48	46	47	46	42	34	26	21	20	21	32.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "." INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

					-									UNITE	- P	ARTS/E	BILLI	ON							
	\$1	ATION	- wc	NO	2703	7	NORTH	H/GEN	EVA S	TREET	. st	. CAT	HARIN	ES		MON	NTH -	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	1.3	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	50 26 1 0 37 25 0 5 17	54 16 23 0 28 15 0 5 32	54 26 13 0 32 19 0 6 40 35	46 29 7 0 41 20 3 4 42 30	38 15 17 0 42 19 3 38 38	34 4 15 0 38 13 0 2 41 28	24 4 16 0 31 6 0 31 24	21 3 13 5 28 6 2 2 20 24	29 1 16 14 30 12 11 9	36 5 19 21 32 18 24 14 32	42 9 24 38 34 24 23 19 36	54 9 30 26 46 28 34 26 39	13 32 50 54 35 38 32 46	73 11 28 56 54 57 33 30 50	41 19 40 51 52 46 26 30 50	50 19 47 44 49 44 31 28 42	79 17 36 44 46 33 24 24 39	77 9 31 32 31 47 20 18 38	36 1 26 24 29 38 20	39 0 8 3 27 23 10 1	28 0 13 2 19 15 7 0 28	23 0 11 10 20 7 7	17 0 5 5 16 3 2	8 2 0 26 22 0 2	41 10 20 19 35 23 13 11 37
11 12 13 14 15 16 17 18 19 20	13 9 12 1 17	11 5 24 1	5 9 31 5	6 12 36 7	 5 11 38 3	3 5 40 3 8	4 5 34 1 5	4 10 25 2	5 18 24 3 5	4 29 18 7	3 36 24 15	34 19 32 5	DATA	INVAL INVAL INVAL 1NVAL 20 5 42 24 26 8	ID -	13 8 50 9 18 5	9 6 42 9 9	6 5 38 13 8 2	1 3 19 7 17	1 1 2 19 22	0 1 0 24 19	1 4 0 9	7 11 0 1 13	16 11 0 0 18 2	6 20 20 12 7
21 22 23 24 25 26 27 28 29 30	2 7 1 17 7 20 29 11 2 0	2 5 2 16 8 20 28 10 1	1 4 0 15 10 18 24 8 3 3	0 4 0 14 11 20 21 9 4 2	7 0 11 10 18 19 6 4 0	0 8 9 13 17 7 1 0	1 0 5 6 8 12 6 0 1	1 3 2 4 1 4 1 1 9 0 0 B	2 5 2 7 3 8 13 8 3 1	2 6 3 8 7 16 11 8 3	3 5 6 8 4 25 17 13 17 4	4 5 7 10 5 36 17 15 22 7	5 8 5 32 39 19 10 20 7	5 8 6 5 40 37 19 1 21	6 10 4 3 38 36 17 2 21 4	3 10 7 3 22 39 12 6 19	1 13 8 4 31 36 9 8 16	1 7 8 4 14 25 4 6 7	0 2 5 20 31 3 5 3	2 0 4 8 18 26 5 8 1	2 0 10 10 14 28 6 4 3 5	3 1 15 9 14 28 5 5	5 1 13 15 14 25 9 1 0	7 0 15 9 13 30 12 3 0	2 5 5 8 15 25 14 7 7
	0.5	. 7	1.56	1,0		12	9	в	11	15	18	22	25	27	25	23	22	18	13	11	10	8	7	9	15.1

PERCENTAGE OF DATA VALID - 81.4 PERCENTAGE OF DATA INVALID - 18.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH - OCT 77 HOUR 24 MEAN 17 8 23 25 13 14 9 13 1 9 6 8 12 6 13 11 12 20 6 13 15 13 11 15 10 14 26 7 9 12 13 9 14 11 12 25 8 22 20 29 17 14 20 21 28 10 21 20 36 16 14 21 13 32 13 18 17 31 13 12 20 10 32 13 15 14 28 7 9 20 10 32 12 19 6 29 3 4 24 12 7 4 20 7 30 7 5 24 13 19 0 18 8 26 12 6 26 11 14 24 17 14 6 18 5 17 9 2 10 23 7 19 11 2 24 14 10 15 14 19 10 7 14 16 18 17 8 26 3 6 23 10 23 15 13 6 5 24 19 19 19 16 16 14 19 22 27 19 26 17 12 13 14 15 16 17 18 ...0 11 4 10 15 14 13 9 7 24 15 16 13 7 17 12 15 23 16 17 14 10 17 17 15 21 14 19 14 12 22 16 15 14 16 43 13 20 12 17 31 12 18 16 14 0 2 0 2 17 19 12 4 1 12 0 0 0 17 10 15 20 11 12 13 11 9 2 1 5 1 2 9 1 0 1 0 1 5 16 6 17 3 0 2 13 18 11 0 10 13 13 2 0 5 14 20 12 12 7 1 18 9 5 18 8 0 8 0 12 5 15 14 10 19 13 0 14 6 0 16 13 5 3 3 11 0 8 12 5 0 26 23 7 22 23 24 25 26 27 19 4 0 0 10 0 12 0 8 0 0 21 0 20 21 8 0 0 20 0 19 11 15 19 14 9 1 0 10 0 11 7 15 8 0 7 0 4 8 12 0 0 3 0 2 0 10 18 0 8 7 6 17 8 21 23 23 21 6 25 21 26 24 18 30 31 32 31 24 28 17 19 4 13 15 29 20 21 11 14 2 5 12 21 10 6 0 4 15 3 5 9 13 9 9 0 0 0 11 10 10 0 0 0 18 0 0 7 5 0 0 22 0 9 10 1 0 0 0 27 0 0 10 0 0 1 0 20 0 15 2 0 6 0 13 0 14 12 2 7 11 13 13 7 17 0 3 5 0 24 12 25 37 20 30 22 24 0 0 14 0 26 30 31 19 27 29 30 ic 11.2

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- "." INDICATES DATA IS UNAVAILABLE 2.
- 3. " ---- INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - OZONE - CHEMILUMINESCENT

UNITS - PARTS/BILLION

			- ANTISY DICETON	
STATION - WC	NO 27037 NORTH/GENEVA	STREET, ST. CATHARIN	ES	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	13.0	22	27
FEB	26	19.3	29	57
MAR	31	23.0	.45	70
APR	30	27.0	62	90
MAY	31	38.4	во	, 123
JUN	30	32.5	62	110
JUL	27	42.0	71	127
AUG	29	25.9	51	78
SEP	24	15.1	41	79
ост	29	11.2	20	43
NOV	30	9.0	20	32
DEC	31	9.1	23	27
YEAR	349	22.1	80	127

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH 00 TO 10 11 TO 20 21 TO 30 31 TO 50 51 TO 80 81TO100 101TO150 15180VER TOTAL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT DEC YEAR FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT OF DATA CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT
50 70 90 95 AR I TH ME AN VALID MIN MAX 96.1 0.8 9.5 17.6 26.8 48.2 61.2 75.2 82 4 22.1

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION BARTON/WENTWORTH HAMILTON MONTH - JAN STATION - WC NO 29025 HOUR DAY 24 MEAN 20 9 17 5 15 9 4 13 5 15 5 8 13 0 11 12 16 8 16 11 22 5 11 18 10 22 4 17 15 9 16 11 18 9 5 2 0 5 15 9 19 6 12 21 0 18 5 6 0 0 14 7 7 13 15 11 4 12 11 4 16 4 9 13 11 2 17 12 13 14 15 16 17 18 19 20 6 13 19 3 17 24 13 19 10 0 0 14 19 9 12 18 4 8 11 13 15 3 7 17 16 15 8 13 13 13 13 14 4 13 11 16 12 13 22 12 17 19 25 13 20 13 18 21 11 13 15 18 12 12 10 14 14 18 18 15 21 13 13 13 17 10 17 10 8 18 25 16 6 24 22 7 27 20 21 10 18 8 1 4 6 22 23 24 25 26 27 28 17 4 2 3 12 26 9 19 13 4 22 22 8 9 13 11 0 6 7 8 0 11 18 9 7 0 13 18 12 20 12 6 0 0 11 0 13 15 12 0 9 14 19 18 22 18 21 25 20 26 26 22 13 25 27 21 24 20 11 18 24 15 20 วก 

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

MEAN

10.6

3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE - CHEMILUMINE SCENT UNITS - PARTS/BILLION BARTON/WENTWORTH HAMILTON STATION - WC NO 29025 MONTH - FEB 77 HOUR 24 MEAN 22 17 9 22 16 19 16 12 15 15 14 15 18 13 24 22 25 27 27 24 22 24 32 21 22 25 27 26 21 21 17 14 13 11 13 11 16 7 16 16 14 19 18 16 16 13 9 11 14 14 10 11 13 15 10 18 12 15 6 15 11 22 18 15 25 22 18 19 17 25 18 11 17 18 11 20 8 0 11 14 11 13 11 20 12 13 13 16 25 28 27 25 19 21 22 19 27 27 27 26 22 21 25 12 21 22 12 22 8 3 17 15 18 13 28 10 4 14 11 25 15 25 16 20 18 24 24 14 15 18 19 15 5 27 3 0 4 4 6 15 27 24 15 16 16 0 15 27 13 21 22 29 29 10 31 15 15 18 20 28 7 16 19 17 16 9 15 23 12 13 14 15 16 17 18 19 20 25 14 24 22 32 29 10 30 39 18 22 24 26 15 16 25 28 20 11 27 31 13 24 25 29 27 18 11 13 9 27 23 16 17 18 0 15 20 16 13 5 16 23 17 15 15 15 21 2 22 29 12 11 15 11 15 10 15 4 13 13 6 13 15 14 15 11 12 15 6 2 8 13 14 11 26 22 15 13 16 13 6 2 18 13 13 18 6 27 30 9 31 34 11 19 15 17 13 38 20 20 11 14 14 13 22 10 24 11 15 17 8 12 4 17 13 0 13 15 21 8 0 19 0 13 15 12 12 19 18 6 10 17 18 11 13 23 24 25 26 27 7 18 13 15 28 17 27 12 25 18 MEAN 10.0 

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "\*-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT . OZONE-CHEMILUMINESCENT

#### UNITS - PARTS/BILLION

	ST	ATION	- WC	NO	29025		BARTO	N/WEN	TWORT	Н НАМ	ILTON					MON	TH - 1	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	25	25	25	22	18	8	6	15	21	25	27	27	27	27	28	25	21		2=	2.2				
2	22	23	26	26	26	21	11	6	В	15	19	22	29	29	32	28	24	19	18	18	18	1.8	20	20	21
3	1	1	1	1	0	O	0	0	1	4	6	6	7	8	8	8	9		15	13	14	13	В	4	19
4	6	8	9	4	1	1	0	0		-		-	2	2	5	5	1	11	8	В	2	3	6	4	4
5	21	25	27	27	25	19	17	20	22	26	27	29	27	27	28	27	25		8	15	20	20	22	20	8
6	19	19	20	22	25	25	25	24	24	19	22	25	25	25	23	21	18	20	24	22	18	20	22	20	24
7	15	16	20	18	16	12	4	4	4	10	13	18	26	26	27	24	16	20	20	13	12	11	11	9	20
8	13	14	19	21	22	21	8	3	4	13	17	25	35	35	37	39		14	13	17	18	17	15	11	16
9	22	22	26	29	29	25	22	20	27	29	38	43	50	48	48	45		16	13	13	9	20	22	19	19
10	30	29	31	32	31	29	20	11	12	18	26	29	37	41	50		40	42	43	44	46	48	46	42	36
											20	29	31	4.1	50	50	39	27	9	0	0	0	0	0	23
11	0	6	8	0	0	0	0	0	1	3	6	11	25	18	29	24	13	1.1	17	8	36	22	1.1	15	
12	8	45	17	36	26	24	24	1.1	10	14	14	11	8	10	10	5	1	1	7.4	2	3	4	3		11
13	0	2	4	0	4	3	0	1	8	15	19	22	25	27	28	29	27	27	22	9	12	12		6	12
14	9	6	6	6	4	3	3	3	4	8	13	19	25	25	27	28	24	22	6	9			6		13
15	0	0	0	0	0	0	0	0	1	2	12	16	20	25	30	8	5	8	2	4	2 5	2	5	0	10
16	5	10	22	24	24	24	18	15	12	19	21	22	28	27	27	26	22	22	25	27				5	6
17	22	22	25	26	29	31	24	20	20	27	27	25	29	29	32	33	34	29	27	19	29	27	19	17	21
18	1	6	7	13	15	13	6	В	11	13	1.1	4	9	10	11	8	16	22			15	6	4	3	23
19	11	8	9	12	13	13	11	12	15	26	32	37	38	39	41	35	31		32	30	28	30	31	22	15
20	В	1	1	0	0	1	7	8	17	18	6	5	9	12	15	14	17	27	18	12	27	32	32	19	23
				2007								-	,	1.2	15	14	1.7	27	28	27	26	23	26	27	13
21	35	35	36	29	27	21	9	8	13	29	34	37	39	38	33	27	39	11	1	1	3	1	1	2	21
22	3	1	8	1.1	13	11	12	1.1	8	5	6	12	24	26	34	34	35	33	34	36	36	29	20	15	19
23	20	21	20	19	20	20	10	1.1	13	18	22	27	32	32	33	34	32	20	13	15	29	29	29	29	23
24	33	34	33	32	35	36	32	33	33	35	36	35	35	35	36	34	33	31	29	26	25	19	11	7	30
25	8	8	12	17	20	20	12	18	20	30	33	35	41	41	40	39	41	37	30	22	18	18	26	27	26
26	20	10	4	3	3	1	5	22	25	29	32	32	34	32	31	32	33	27	15	9	15	9	4	á	18
27	11	1	1	1	1	0	2	5	7	14	14	13	15	17	18	16	9	4	1	2	1	20	26	3	8
28	4	6	13	4	2	3	1	1	1	1	1	1	1	1	1	0	0	2	1	2	1	1	0	ő	2
29		٥	0	0	8	1	1	3	5	4	26	29	34	38	43	45	46	48	47	39	38	37	28	9	22
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31	41	44	41	37	34	27	19	14	12	29	32	32	28	27	25	25	28	32	25	18	13	10	10	12	26
MEAN	14	15	15	15	15	14	10	10	12	17	21	23	26	26	28	26	24	22	19	16	18	17	16	13	18.0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON MONTH - APR HOUR 24 MEAN 2 3 4 5 6 7 8 9 3 22 1 0 30 21 26 6 6 27 2 1 31 20 28 11 29 13 18 27 10 34 4 25 13 20 15 15 39 13 25 26 12 25 27 25 39 27 33 36 8 36 28 17 40 39 45 37 8 35 25 19 41 40 46 2 39 6 32 29 19 41 41 46 0 39 5 25 29 18 39 42 40 2 31 6 22 31 14 40 36 31 0 16 7 22 19 11 36 29 26 12 17 31 19 29 6 7 2 2 2 2 2 2 0 7 2 9 15 8 25 12 18 31 15 32 4 8 25 5 0 25 18 20 12 16 6 23 7 22 25 18 32 21 21 13 3 4 23 22 12 23 7 25 6 0 26 15 28 7 8 0 24 13 22 20 21 39 25 30 27 6 27 28 25 39 34 36 11 20 20 9 35 7 1 27 13 24 5 15 0 14 31 19 30 13 8 32 29 22 39 36 43 6 24 29 16 39 41 38 12 13 14 15 16 17 18 19 50 41 34 24 9 0 15 0 48 39 20 11 5 0 10 43 20 1 11 1 0 5 0 41 45 42 20 0 8 0 0 4 36 26 12 1 3 2 0 13 22 17 6 4 5 4 0 3 18 13 6 11 18 27 2 40 25 34 12 25 20 4 14 65 56 34 10 41 25 26 41 65 63 27 17 18 17 21 22 3 8 51 35 29 6 22 20 5 21 4 62 46 22 6 41 22 3 25 8 63 74 26 37 47 20 22 36 13 56 74 26 45 50 20 1 24 18 50 33 26 41 54 18 1 53 36 18 33 41 28 10 21 52 46 3 15 36 21 0 41 8 14 31 16 0 29 39 39 4 11 29 11 0 47 40 19 16 24 13 5 13 5 15 17 17 34 38 21 31 57 41 6 18 20 1 0 0 55 40 18 17 11 0 0 44 34 20 14 1 0 0 0 18 1 7 43 21 27 36 13 22 23 24 25 26 27 28 29 30 50 10 27 18 22 42 15 48 3 8 28 9 21 36 31 6 2 15 6 22 46 18 45 6 4 20 19 22 48 15 40 5 18 22 0 21 29 22 7 19 14 2 11 25 15 3 20 8 4 11 27 16 5 21 6 6 16 20 4 21 20 36 27 22 17 5 12 8 29 21 39 29 42 11 16 26 24 39 46 34 46 17 6 13 16 23 28 44 34 4 8 15 24 25 42 45 34 50 3 5 4 18 27 44 42 35 6 6 20 29 46 38 35 55 7 4 22 36 54 40 36 55 6 8 5 22 39 56 46 38 51 8 5 12 11 9 49 32 11 8 12 19 28 53 46 31 43 11 3 1 13 11 48 42 22 23 8 4 11 7 4 48 37 8 5 17 22 8 48 32 11 21 6 3 19 4 14 52 26 14 3 17 27 5 22 32 13 22 15 19 MEAN 20.5

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/RELLION

														UNITS	- P4	ATS/E	BILLIC	N							
	S	TATION	N - WC	NO.	29025		BARTO	N/WEN	TWOR	TH HAN	ILTON					MON	th -	JUL	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	39	38	37	33	31	29	27				100/20														
2	22	26	31	33	28	25	25	30	32	34	36	42	48	50	54	55	53	49	43	36	27	22	20		
3	0	1	4	2	0			26	28	33	37	40	48	46	46	45	45	43	39	30	7	0	20	22	37
4	67	66	64	62	56	1	- 6	11	15	15	18	26	22	23	46	62	62	55	37	34	53	64	0	0	29
5	50	45	45	39		38	27	25	36	47	57	86	79	63	60	61	66	66	64	63	62		61	63	28
6	31	34	34		34	17	16	27	34	31	29	43	60	52	62	65	67	66	79			53	53	57	57
7	31	34		18	10	7	17	17	7	2	6	10	10	5	6	2	2	-		36	16	8	24	20	40
a	- 1	- 4	1		1	2	4	4	4	5	6	4	3	6	1	ī	î	4	5	0	0	1		4	10
9		0	0	0	0	0	0	1	8	13	14	16	25	25	25	24	25		6	6	3	1	3	2	3
10	12	13	14	16	15	12	4	6	14	32	36	40	42	38	40	33	28	29	24	14	13	16	16	16	13
10	13	16	8	0	0	3	5	4	4	8	10	16	16	15	13			26	25	22	17	14	16	12	22
11	2	0		- 2										13	13	10	8	В	4	1	0	2	2	3	7
12	14		0	0	0	0	1	5	4	3	5	6	12	13	13	18	20	17	12.7	123					
13	37	30	32	28	20	15	9	7	12	15	19	33	36	39	40	33	36	40	24	24	13	10	9	14	9
		35	36	35	23	1.1	13	19	26	30	37	38	37	32	26	27			44	42	39	27	25	36	28
14	_6	8	10	14	8	3	7	10	24	30	31	28	26	35			30	33	33	24	18	5	1	3	25
15	54	46	42	40	31	14	14	18	34	44	57	60	66	72	42	37	28	16	26	31	29	28	17	38	22
16	14	18	16	13	8	3	4	13	32	25	34	36	36		76	51	31	18	14	10	39	33	25	24	38
17	52	48	44	40	33	27	27	25	25	31	42	48		51	68	47	50	47	44	39	38	36	39	42	31
18	27	26	27	29	31	9	9	19	42	51	54		61	55	50	33	32	36	33	32	14	13	16	24	35
19	43	51	47	36	30	16	15	16	27			56	57	66	70	65	67	59	44	30	17	19	26	49	40
20	20	18	19	25	29	27	22	24		36	33	29	28	40	39	31	41	39	39	30	12	5	2	14	
				-		•	22	24	32		57	58	65	58	54	57	56	54	53	49	53	66	56	55	29 44
21	44	44	52	55	44	25	20	22	36	26	27	25	25	25	2.0		2.0						-	33	44
22	18	20	18	18	19	11	10	14	16	16	21	32	38	36	32	25	24	24	23	16	2	15	16	15	28
23	5	8	12	13	1.1	5	6	3	13	20	25			38	35	33	29	27	25	16	5	3	5	5	20
24	24	34	42	42	41	31	27	42	51	55		25	29	29	33	37	30	28	27	25	25	25	16	24	20
25	65	63	61	59	51	32	24	29	33	36	64	63	65	59	57	55	53	50	50	47	55	54	55	65	49
26	10	16	15	1.3	10	5	3	16	22		35	34	33	29	27	25	29	24	23	17	9	6	10	12	
27	8	11	10	10	7	1	1	1	4	24	25	26	29	27	29	29	29	28	27	14	8	ĭ	1	8	32
28	3	3	0	0		o	3			10	21	25	20	21	33	33	40	35	29	19	16	8	1		17
29	0	0	0	o	ò	0	3	6	- 7	13	10	16	16	16	21	20	26	18	35	36	18	ŏ	ò	1	15
30	34	32	31	16	19	18		2	26	33	45	50	52	60	58	57	59	48	31	20	21	39		0	11
	-	-	31		19	1.0	14	22	34	35	36	41	45	48	54	62	70	53	49	40	42	16	38	38 12	28 35
31	9	5	2	0	0	,	3	9	12	10	17	43	59	61	66	61	58	64	61		-	1.00			-
MEAN	23	24	24	22	19	13	12	15	22	25	30	35	38	39	41	39				52	48	34	38	44	32
									_		-	-	30	33	41	39	39	36	34	28	23	20	19	23	26.9
PERCEN	TAGE (	F DAT	A VAL	.10 -	99.9		P	ERCEN	TAGE	OF DA	TA IN	IVAL I I	- 0	0.1		PER	CENTA	GE OF	DATA	CHINA					
NOTES	1		INDIC	ATEC	Factory :														DATA	UNA	AILA	ILE -	0.0		

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUTA	INT - C	ZON	E-CHE	MILUM	INESC	ENT						UNITS	- PA	RTS/B	ILLIO	N							
	S	TATION	· wc	NO	2902	5	BART	ON/WE	NTWOR	тн на	MILTO	N					TH -		77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1			2																						
2	41	40 8	36	33	30	25	20	18	20	21	23	23	24	22	20	20	22	24	23	10	•	2		12	· ·
3	42		9 31	В	2	0	1	4	10	18	26	33	37	42	45	44	46	53	56	48	3 42	31	27	0 39	
4	44	42		23	9	2	1	3	14	33	45	35	40	38	35	34	36	36	36	28	20	22	20		
5	25		41	41	33	19	18	14	20	29	39	42	39	39	40	39	39	37	36	33	34	38	44	32	27
6	25	27	28	31	27	24	19	21	23	24	25	27	31	34	35	44	46	48	48	44	44	46	40	42	35
2	25	25	26	25	25	24	25	25	17	19	23	29	38	41	43	29	20	20	25	19				29	33
B		5	5	3	1	0	1	1	3	10	13	13	12	12	13	15	10	10	16	17	16	12	8	5	24
	31	33	33	28	20	16	1.1	9	14	18	20	20	13	14	12	10	14	18	8		12	9	13	23	9
9	1.7	18	19	14	В		1	6	6	9	12	14	12	15	17	15	12	10	7	9	12	14	12	16	17
10	0	0	4	4	4	3	1		5	13	14	12	11	16	19	25	27	29	25	2	0	2	0	1	9
4737												100,000			0.00			23	25	23	23	24	20	19	13
11	19	18	18	18	10	8	4	5	10	15	20	26	35	31	18	18	25	22	4.4						
12	10	14	14	11	9	3	2	5	7	12	15	19	21	23	26	27	29	27	14	16	12	10	10	9	17
13	34	36	36	40	41	34	27	25	26	30	33	33	35	38	38	43	44	31	29	21	18	22	25	28	18
14	25	27	27	20	17	13	26	25	24	22	23	23	25	25	23	23		40	36	29	27	26	26	25	33
15	0	0	1	1	0	0	1	5	10	12	14	15	20		27	27	23	21	18	8	8	10	4	0	19
16	0	0	0	0	0	0	0	0	3	7	6	6	8	8		6		23	16	9	8	3	1	0	9
17	12	16	20	22	15	1.1	9	10	12	14	16	17	18	16	9		7	5	8	5	1	0	7	12	4
18	8	10	10	1.1	10	7	4	3	6	8	11	12	14	15	16	14	16	16	14	В	7	8	8	8	13
19	0	0	0	0	0	0	- 1	1	5	13	18	20			15	14	14	14	14	4	1	1	0	0	9
20	5	4	5	7	6	5	3	3	3	5	5	20	20	20	21	20	16	13	10	9	7	8	7	5	9
								~	3	3	5		6	6	6	7	6	5	4	3	2	1	0	0	4
21	0	0	0	0	0	0	0	0	1	1	2	3	3	3	3	3	3	2	-						
22	****		• • • •	• • •										12	10	10	11	3	2	1	2	2	- 1		1
23	29	26	24	20	18	8	6	7	8	1.1	14	14	18	19	19	12	15	14	10	2	8	16	34	34	
24	8	5	4	7	8	3	1	1	2	8	13	15	17	18	20	18	18	17	14	11	3	4	7	10	14
25	1	1	3	5	3	1	1	1	6	9	10	11	10	12	14	15	18		10	3	1	0	0	0	8
26	0	0	0	0	0	0	0	1	1	6	9	10	10	12	18	22	25	18	10	6	4	- 1	0	0	7
27	0	0	0	0	0	0	1	2	7	14	20	25	33	45	54	57	55	21	1.2	10	10	12	0	0	7
28	30	27	24	23	21	21	21	24	26	33	36	40	44	47		47		50	41	41	40	39	38	35	25
29	32	31	28	25	18	14	10	10	12	16	16	18	14	15	48		49	51	44	31	30	33	35	34	34
30	10	3	1	1	2	3	1	9	16	16	24	22	24	23	14	14	16	16	16	16	16	17	17	13	17
							11.61	_				22	24	23	32	25	27	4	14	4	7	8	C	0	12
31	3	5	3	3	5	0	3	5	1	3	5	13	20	22	27	16	10	8	1	12	7	23	48	46	12
MEAN	15	15	15	14	11	8	7	8	11	15	18	20	22	23	24	23	23	22	20	16	1.4	14	15	16	16.2

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - DZONE-CHEMILUWINESCENT UNITS - PARTS/BILLION

																413/8	11110	N							
	ST	ATION	· wc	NO	29025		BARTO	N/WEN	TWORT	н нам	LTON					MON	тн -	NOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	111	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3	0 9 0	0 14 0	0 18 0	0 17 0	0 15 0	0 7 0	0	0	0	0 2 1	14 8 1	17 11 1	18 20 0	17 19 0	17 16	11 13	7 5 0	0	3	3	0	0	0	0	5
5 6 7 8	0 3 7 1 4	0 4 4 1	6	6	0 9 6 2	0 8 6	0 8 7	9 5 2	12 4 2	1 13 4 3	1 14 4 3	13 4 3	13 3 2	5 13 3 2	6 12 3 3	6 14 2 0	10	5 9 2	8 7 2	6 2 2	6 8 1 3	7 11 1	11 0	13	0 3 10 3 2
9 10	4 1	1 9	1 10	1 10	7 5 1	6 4 0	5	0	2 3 6	3 4 5	5 3 5	3 7	3 2 8	4 1 6	6 1 7	6 0 8	4 0 6	6	3 2 7	5 2 7	6 2 7	6 2 8	10 2 9	6 2 9	5 2 5
12 13 14 15 16 17 18 19 20	10 17 0 4 23 0 8 9	10 21 0 3 24 1 8 9	11 21 0 3 25 4 11	15 11 0 2 23 14 11 12 0	10 18 12 0 1 24 12 10 12 4	8 21 16 1 1 23 10 10 12 4	5 22 12 0 1 15 3 5 8	4 23 14 C 1 14 2 5 7	4 24 20 1 2 15 2 5 7	8 23 24 5 2 20 1 6 6	10 24 26 8 3 15 2 8 7	12 24 26 12 3 13 4 9	13 24 25 13 7 16 7 8 12	13 25 25 10 9 15 8 7	13 24 24 9 9 13 8 7	12 24 21 4 7 4 5 7	11 24 18 3 6 3 5 4 8 3	10 24 22 4 8 4 6 5 4	11 22 19 4 10 4 10 5	10 20 18 3 8 4 8 5	13 22 9 3 10 4 8 7	13 23 6 3 11 3 5 8 2	13 20 3 5 16 3 6 9 0 6	14 17 0 5 21 0 7 9	10 21 17 4 6 13 6 7 8
21 22 23 24 25 26 27 28 29 30	13 6 2 0 10 1 17 2 1	13 B 3 0 10 0 11 2	8 16 8 0 11 9 16 2 0 3	15 14 5 0 10 8 17 0 0 3	15 11 5 0 16 10 17 0 0 3	16 9 5 1 16 19 0 0	13 5 2 1 4 13 17 0	9 1 0 1 2 14 19 0 0	6 2 2 1 4 13 11 0	9 3 4 1 5 14 12 1 0 2	10 8 2 3 5 18 19 2 0 5	11 16 2 6 3 20 21 5 3	11 19 1 4 3 21 19 6 5	12 1 5 4 21 20 7 5	13 11 2 5 3 22 15 6 4	11 11 7 3 20 10 4 3	6 7 1 7 2 20 13 2	3 1 6 2 19 10 0	3 8 0 5 3 18 3 2	3 8 0 6 0 19 2 3 2	4 1 0 6 0 17 2 2 0	4 0 0 9 0 21 4 0	4 3 0 11 0 20 1 0 0	6 3 0 9 0 19 3 0	9 8 2 4 5 16 12 2 1
MEAN	5	6	7	-7	8	7	5	5	5	6	8	9	10	10	9	в	6	6	5	5	5	5	5	5	6.5

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*-\* INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUT.	ANT - (	DZONE	- CHE	MILUM	INESC	NT						UNIT	S - P	ARTS/	BILLI	ON							
	S	TATIO	N - WC	NO	2902	5	BARTO	N/WE	NTWOR	тн на	MILTON					MO	NTH -	DEC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	3	8	5	0	0	0	1								
2	15	17	16	15	16	16	12	7	6	9	11	11	13	15	14	12		9	12	1.1	11	10	15	17	4
3	16	13	12	1.2	15	18	16	1.1	8	9	11	14	17	17	15	16		9	9	8	12	1.1	12	12	12
-4	6	6	9	11	1.1	1.1	11	11	12	14	15	17	21	22	21	19			5	6	8	6	7	7	11
5	1	0	6	16	14	13	11	9	10	12	13	14	16	16	15	9		24	13	15	9	5	20	5	14
6	25	25	26	26	26	26	26	22	22	22	24	25	25	25	22	19			В	9	10	8	21	24	11
7	12	12	1.2	15	15	14	7	- 5	- 6	15	17	20	20	21	21	25		8	16	15	14	17	14	1.1	21
8	4	5	10	6	2	1	0	o	ő	0		20	20	4	4			3	4	4	2	2	2	3	11
9	0	0	11	13	12	10	4	2	5		12	12	15	16		4		0	0	0	1	1	1	0	2
10	4	4	6	8	9	6	5	4	7	12	18	24	27	28	15 27	13		5	5	3	4	4	5	6	8
							-				10	24	21	28	27	20	10	3	1	1	2	3	3	0	10
1.1	0	1	0	0	1	0	0	0	3	6	8	9	16	20	21	20	-		1.74						
12	0	0	1	8	6	- 7	ō	0	0	·	2	4	6	4				4	0	0	0	0	0	0	5
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16	5	5	4	2	1	- 1	ō	0			4	5	10	2	2	1	0	0	0	0	0	2	1	1	1
1.7	9	9	12	11	10	1.1	9	11	8	10	11	11	10	9	6	5	3	3	4	0	6	7	5	5	4
18	11	10	8	8	5	9	9	9	9	8	7	8	5	10	1.1	13		14	10	10	12	13	10	14	11
19	5	6	ă	3	3	3	2	0	0	0	ó		_	5	4	2	0	0	0	0	0	0	1	4	5
20	ō	0	0	2	5	7	5	4	6	3	3	2	0	0	0	0	0	0	0	O	0	0	0	0	1
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21	****											5	5	8			-	-	9						
22	2	0	0	2	3	0	0	0	0	0	3	5	7	6	8	6	4	2	2	4	5	4	4	3	
23	5	6	7	8	7	6	5	5	7	9	11	9	12	15				3	4	4	9	7	5	4	3
2.4	2	2	2	2	0	0	0	ō	ó	1	3	7	7	9	16	15	11	9	9	10	9	6	4	4	9
25	18	12	1.1	19	24	27	28	28	27	24	23	26	23			4	_ 1	0	0	0	0	10	14	19	4
26	18	19	18	18	18	18	21	18	20	21	22	22		22	22	22	21	22	21	22	20	18	17	16	21
27	9	8	8	8	11	11	10	8	8	12	17	19	23	22	20	18	15	11	1.1	10	8	8	9	9	17
28	5	5	8	12	14	10	4	3	4	9	13		21	21	20	19	14	12	7	5	4	4	3	2	1.1
29	1	1	3	3	3	4	4	4	8	9	10	13	17	24	23	13	10	8	8	7	6	10	8	5	10
30	0	o	ő	0	ő	o.	0	0	0	0	0	16	16	1.7	16	13	6	3	3	3	3	0	0	0	6
	170	-							U	U	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	6	18	16	19	22	22	21	19	18	17	12	11	13	10	6	2	0	0	0	0	0	10	17	20	12
MEAN	6	7	7	9	9	8	7	6	7	8	9	11	12	12	12	10	7	5	5	5	6	6	7	7	7.0

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 3.4 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "." INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - JAN 77 HOUR 24 MEAN DAY 2 3 4 5 6 7 8 9 25 16 25 4 17 6 13 21 11 15 7 18 5 20 11 11 19 9 13 3 1 0 0 0 7 5 1 0 0 0 0 13 4 0 1 18 14 10 1 5 3 4 10 3 10 11 0 1 16 6 18 11 6 22 8 17 9 15 13 12 13 14 15 16 17 18 19 2 5 0 4 15 4 8 3 2 15 10 14 10 11 8 2 6 4 4 14 15 14 0 6 0 0 8 15 8 2 4 9 0 11 6 8 2 2 14 13 18 0 3 11 13 8 6 13 12 4 4 1 6 8 13 8 4 8 9 21 11 13 19 20 10 10 4 10 0 3 19 11 12 19 18 11 10 17 18 11 7 15 9 15 17 4 2 22 23 24 25 26 27 28 29 21 6 25 16 3 20 0 18 22 0 13 22 2 0 0 15 15 4 25 13 3 5 13 22 18 16 27 20 10 1 6 10 17 6 18 26 3 10 1 7 11 0 4 9 6 6 0 5 13 1 22 7 6 6 0 6 15 0 21 14 5 1 3 12 14 8 12 15 5 1 4 12 11 5 11 25 16 11 22 13 18 24 4 0 11 11 4 8 14 0 0 8 10 5 0 7 11 22 27 3 10 6 22 0 14 22 14 18 28 11 5 9 0 17 6 16 14 9 

PERCENTAGE OF DATA VALID - 99.5

MEAN

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

7.6

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

"-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - FEB HOUR 24 MEAN DAY 0 11 11 15 4 17 8 7 17 27 27 26 16 10 21 26 25 27 7 22 20 22 28 29 25 15 8 18 22 20 26 30 24 18 20 15 23 27 22 7 8 20 18 22 19 15 14 16 15 2 13 2 16 17 1 8 0 6 5 12 3 14 18 0 19 0 4 10 6 15 22 14 19 7 16 22 0 22 0 4 10 14 12 20 18 15 7 6 16 14 24 17 25 6 16 15 22 16 27 4 13 0 14 16 18 0 24 14 23 25 26 26 13 22 11 14 20 0 15 0 15 19 0 13 0 0 0 12 11 0 8 0 13 1 6 0 19 2 6 3 6 3 12 13 14 15 16 17 18 19 20 0 8 25 28 15 21 20 11 23 26 26 20 10 25 30 15 23 13 12 7 3 8 12 12 15 27 28 24 24 15 29 30 9 25 27 25 27 25 27 31 20 19 8 8 9 25 25 22 25 8 17 26 6 15 20 19 20 20 4 16 22 9 18 17 22 19 9 2 13 16 9 20 19 21 22 6 0 10 22 13 25 22 10 0 11 13 24 8 25 21 0 6 14 21 23 17 15 8 12 17 8 18 18 22 28 15 16 15 18 18 4 19 20 24 26 18 14 15 26 25 23 6 20 22 8 0 28 31 12 15 6 0 15 27 29 14 4 8 0 21 18 2 15 12 15 11 5 30 7 22 15 29 8 27 13 25 4 0 15 10 20 27 14 17 22 23 24 25 26 2 20 11 17 21 10 11 21 14 22 20 5 22 22 0 19 22 2 13 6 11 6 14 21 2 18 12 9 21 16 13 18 19 8 21 16 10 10 27 18 12 30 4 27 17 24 25 9 33 4 30 33 35 6 3 4 13 26 19 32 MEAN 14.3

PERCENTAGE OF DATA VALID - 96.7

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- -- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

STATION . C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - MAY HOUR 24 MEAN 4 23 18 4 30 30 15 22 30 28 25 37 28 25 25 29 34 14 21 26 30 30 6 52 41 36 30 44 34 21 19 246 37 27 22 38 9 4 10 6 4 0 15 13 28 25 20 0 15 0 10 5 25 24 21 24 20 16 3 23 28 23 25 30 30 5 27 10 3 4 5 6 7 8 9 32 32 6 51 35 41 30 28 4 52 42 35 30 42 27 20 1 49 40 30 25 41 22 20 20 50 42 32 41 0 2 0 9 6 2 6 2 1 9 27 4 20 34 29 22 22 6 37 33 41 29 42 32 27 18 18 31 36 27 37 28 21 18 16 21 25 26 13 22 26 20 5 27 31 22 15 16 31 25 29 30 30 0 48 12 13 14 15 16 17 18 19 20 15 46 20 10 0 33 20 0 16 50 24 13 0 10 54 18 20 37 29 30 13 14 21 33 4 30 25 22 4 8 13 14 33 42 30 31 22 49 37 46 41 30 34 37 84 44 18 40 31 31 15 30 35 30 17 45 37 30 36 46 53 57 74 39 41 31 27 33 53 75 57 82 43 44 29 32 29 41 77 56 110 48 18 30 30 30 64 57 102 53 19 37 43 41 58 67 72 45 30 7 15 53 21 34 44 55 45 61 69 39 8 22 22 57 45 58 41 37 29 6 18 13 32 25 45 44 22 8 20 4 7 10 0 4 25 30 25 23 21 33 43 38 22 24 20 21 25 20 18 4 7 8 5 22 19 18 8 44 8 20 24 11 26 15 6 62 16 30 65 18 0 57 22 0 63 22 8 44 22 29 22 23 24 25 26 27 28 29 10 18 0 12 6 12 29 0 22 14 6 11 32 3 20 18 4 9 17 35 4 19 24 12 1 15 13 4 13 7 2 15 34 6 23 15 31 26 30 8 39 37 25 27 15 32 33 30 27 19 48 40 28 19 79 37 38 41 14 59 38 28 49 71 39 53 44 15 38 41 25 61 65 38 58 41 15 40 38 25 77 60 39 53 41 18 31 35 22 91 51 41 34 17 16 28 27 51 25 39 35 10 33 24 47 32 18 38 46 31 24 13 27 20 22 25 35 32 30 34 5 11 15 54 16 23 27 19 8 5 2 5 25 4 15 11 11 8 3 2 13 19 12 8 32 37 13 18 59 39 29 31 72 37 12 84 49 32 37 77 36 48 6 17 11 27 18 10 17 24 11 27 36 30 13 16 MEAN 26.4

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. " ... INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - JUN HOUR 24 MEAN DAY 32 0 6 63 17 25 20 32 15 6 15 42 2 22 20 12 37 53 39 6 31 40 29 30 12 33 71 39 15 30 40 31 12 32 74 41 20 30 41 12 37 69 41 22 29 43 33 8 40 34 41 22 29 38 23 40 39 41 40 19 30 24 22 39 13 37 58 34 18 30 13 21 31 18 39 58 21 19 32 14 16 30 15 18 28 14 19 32 21 10 27 0 20 20 14 20 9 5 0 6 33 8 13 17 15 17 29 34 16 26 23 19 3 4 5 6 7 8 9 26 27 41 4 28 35 16 28 39 4 30 37 20 22 61 22 24 21 32 7 18 20 22 9 11 18 6 7 15 13 20 11 10 4 27 25 17 20 18 27 13 25 20 30 13 13 58 10 4 12 13 14 15 16 17 18 19 20 59 7 5 22 13 0 13 33 4 56 9 7 44 15 15 7 61 8 4 10 4 42 6 16 7 2 13 6 36 8 38 13 18 34 14 29 18 40 18 21 44 27 30 20 43 32 32 46 32 51 21 46 3 30 25 34 44 37 62 26 46 34 30 32 41 44 63 27 46 30 37 27 33 37 44 64 39 46 32 6 20 4 13 2 8 18 36 36 41 46 63 46 45 39 27 25 32 41 37 55 56 42 26 21 16 27 31 49 15 14 18 25 53 59 59 34 23 6 15 5 15 17 23 26 33 34 32 12 2 0 14 27 4 17 17 30 37 13 25 19 32 4 31 22 30 0 56 56 54 33 26 43 44 56 26 8 15 37 5 8 28 30 0 42 3 6 13 53 15 14 58 38 22 8 7 22 23 24 25 26 27 28 29 30 23 0 17 0 25 0 0 49 26 0 34 51 22 4 0 35 29 0 40 53 5 15 4 1 27 34 29 35 21 58 39 65 35 15 9 4 20 25 13 28 33 6 31 27 37 17 54 36 38 40 34 36 54 60 55 67 45 45 37 24 72 51 57 61 57 20 44 45 22 70 51 64 67 64 16 36 35 22 68 34 58 43 70 24 36 31 17 44 22 46 41 65 32 34 39 61 43 75 30 31 22 65 53 35 23 66 48 67 51 28 6 11 17 22 28 67 17 0 1 8 12 0 47 50 13 6 24 15 25 37 36 34 44 27 30 44 58 51 66 36 31 43 11 18 46 63 30 4 10 14 4 22 0 24 50 30 6 11 15 58 63 46 17 49 13 18 MEAN 25.6

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - SEP 77 HOUR 17 18 19 20 21 22 23 24 MEAN 0 11 17 21 8 9 21 3 9 12 13 10 12 3 0 0 9 12 17 5 0 24 31 39 27 11 17 25 21 12 32 48 40 21 17 27 49 16 14 31 52 39 21 19 29 53 17 17 27 45 39 16 20 29 53 15 6 24 43 27 11 16 24 47 11 10 30 47 33 14 16 27 51 0 12 33 20 7 8 7 32 9 0 13 18 13 1 9 6 29 0 3 11 12 3 9 12 26 8 0 5 6 13 4 11 13 30 5 21 5 17 0 5 2 15 4 13 3 10 7 8 13 5 14 5 19 20 40 17 9 25 21 27 39 45 23 13 21 43 24 20 4 7 6 32 9 4 5 6 7 8 9 27 39 18 9 12 26 23 42 21 10 13 14 37 23 23 12 9 13 27 18 11 0 0 0 17 20 2 3 20 16 20 23 0 21 18 0 11 12 13 14 15 16 17 18 19 20 0 8 4 0 0 2 13 9 3 5 11 19 7 0 11 13 10 4 28 15 24 17 1 38 11 15 2 11 11 21 8 38 16 23 14 1 42 8 13 25 15 20 15 1 40 10 12 0 24 9 18 15 0 38 1 4 27 5 16 13 0 37 2 8 17 14 23 11 1 32 11 16 3 37 5 11 11 0 35 0 8 27 9 1 12 0 11 0 22 2 14 13 12 9 3 15 5 34 7 3 11 0 20 0 15 2 23 11 3 14 0 5 0 21 3 17 7 0 15 0 3 0 0 6 1 0 9 0 0 0 10 3 11 2 0 16 0 1 0 13 2 24 12 8 14 3 0 6 0 0 0 5 5 12 0 30 7 17 5 2 16 13 10 0 0 0 13 6 8 22 18 4 4 13 3 22 23 24 25 26 27 6 11 10 5 18 5 0 0 0 1 5 8 9 0 0 3 10 2 4 5 5 10 6 24 14 10 7 11 6 33 13 11 4 6 10 7 13 15 11 5 4 7 12 8 39 13 12 4 11 10 34 9 13 7 6 9 10 10 26 8 13 0 2 6 7 1 0 1 3 9 0 2 0 13 8 9 12 17 11 8 5 9 3 6 13 13 9 13 8 10 18 5 9 10 12 5 o Ó MEAN 10.8

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	(T - (	ZONE	-CHEM	I LUMI	NESCE	NT						UNITS	- PA	RTS/B	ILLION	N							
	ST	AT ION	· c	NO	31001		67 CO	LLEGE	ST F	IFTH	FLOOR	TOF	ONTO			MON	тн - (	OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 7 5 7 0 13 0 17 23	3 8 7 11 0 12 3 18 22	3 8 6 13 3 6 4 20 18	5 9 5 17 7 9 7 18 18 21	5 11 6 10 14 14 9 16 22 24	3 11 4 4 4 5 5 12 16 22	2 10 0 1 0 2 10 8 20	2 8 2 2 1 2 3 7 8	3 5 6 9	1 5 10 **** 3 12 12 7 14 26	0 6 16 22 3 14 15 10 12 29	0 7 18 22 4 14 16 8 11	1 11 19 23 5 16 17 3 11	2 11 18 24 21 14 15 7 6	2 11 18 24 16 14 17 12 4	3 11 17 19 17 11 16 21 4	3 4 16 17 8 7 14 19 7	2 1 13 9 3 6 9 21 9	2 1 8 3 8 2 7 23 6	2 1 8 0 4 3 10 22 1	3 1 4 0 4 2 13 25 4 3	5 1 3 0 6 2 17 23 6	6 1 2 0 5 1 17 23 13	5 1 0 7 0 16 23 13	3 6 9 10 6 8 11
11 12 13 14 15 16 17 18 19 20	4 5 0 0 0 13 17 0 9	8 9 2 0 0 7 16 0	11 7 3 0 0 9 16 0	18 11 0 0 0 12 16 0	5 11 0 0 0 16 16 0 0	9 5 0 0 14 12 0 7	3 0 0 0 0 15 8 0	5 4 1 0 0 15 6 0	9 6 2 2 5 15	9 11 2 7 5 14	16 12 8 14 5 2	12 14 14 11 13 13 9 5	10 13 10 12 14 12  11 5	9 15 10 12 31 14	9 14 11 14 25 14 15 10 4	6 13 14 6 9 11 15 12 3	10 6 10 6 3 10 13 9 2	14 5 6 3 10 9 5	9 5 6 0 0 1 3 1 1 1 0	6 2 2 0 0 1 0 0 1 0	5 2 0 0 6 11 0 0 1 0	30008	3 2 1 0 6 14 0 0 2	3 0 2 0 11 15 0 0	17 8 7 4 4 6 13 9 3
21 22 23 24 25 26 27 28 29	4 10 0 1 0 0 0 18 0	5 6 1 2 0 0 0 17 1	1 11 0 5 0 0 1 16 1	0 13 0 1 1 0 1 20 2	1 14 1 0 0 0 2 20 3	0 15 2 0 1 0 1 8 5	0 6 2 0 1 0 0 1 1 1	0 7 3 0 0 0 1 1 2	111100000000000000000000000000000000000	1 16 14 0 0 2 6 10 3	4 19 17 5 1 5 5 14 12	7 20 19 8 3 8 11 16 20 22	13 22 21 9 4 9 - 17 20 25	16 22 21 11 3 4 - 9 18 25	18 22 21 6 5 4 27 7 18 23	19 18 1 4 9 19 6 14 21	17 16 18 1 1 7 10 5	15 10 13 0 2 3 3 1 4	16 5 4 0 1 0 3 0 3	13 2 0 0 0 0	7 5 1 0 0 0 0 1 0 0	6 3 0 0 1 9 0	930005001	11 0 1 0 0 0 16 0	8 12 8 2 1 2 5 8 6 8
31 MEAN	1 5	7 6	15 7	15	11	12 6	6 3	4 3	7 5	12 8	15 11	17 13	20 14	20 15	16 14	12	6 9	7	2	4 3	7 3	3 4	B 4	10	10 7.3

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

STATION -	C	NO 31001	6.7	COLLEGE	ST	FIFTH	FLOOR	TORONTO

1.2.					
MONTH	NO OF DAYS	AVERAGE	CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	7	6	15	28
FEB	27	14	.3	24	35
MAR	31	17	3	28	67
APR	30	18	5	32	65
MAY	31	26	4	54	110
JUN	30	25	6	44	
JUL	28	27.	9	50	75
AUG	30	19.	9	42	110
SEP	30	10.		27	81
ост	31				54
NOV	30	7		17	32
		6	4	15	24
DEC	24	6.	3	14	27
YEAR	353	15.	8	54	110

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT -	OZONE - CHEMI	LUMINES	ENT			UNITS - P	ARTS/BILLI	ON	
STATION -	C NO 31001	67	COLLEGE ST	FIFTH FLOOR	TORONTO				
MONTH	00 TO 10 1	1 TO 20	21 10 30	31 TO 50 5	1 TO BO	B110100	10170150	15160VER	TOTAL
JAN	498	198	44	0	0	0	740		
FEB	238	228	174	10	o	0	0	650	
MAR	222	o	742						
APR	233	184	151	137	10	О	o	o	715
MAY	175	136	165	180	74	В	2	0	740
NUL	173	150	128	189	79	О	0	0	719
JUL	177	123	123	161	82	15	5	0	686
AUG	230	173	135	139	32	11	0	0	710
SEP	422	172	69	45	5	0	0	0	713
OCT	501	188	40	2	0	0	0	0	731
NOV	550	143	15	0	0	0	0	0	708
DEC	424	137	16	0	0	o	0	0	577
YEAR	3843	2061	1259	950	287	24	7	0	8431
ERFOUENCE									

FREQUENCY	DISTRIBUT	ION BY P	ERCENTILES									
	PERCENT OF DATA				FREQUENC		TRATIONS					
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	AR I TH MEAN
	96.2	0	0.0	4.7	11.5	20.0	35 B	44 8	59.3	60.3	***	

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO MONTH - AUG 77 HOUR 10 11 12 13 14 15 16 17 18 20 21 22 23 24 MEAN DAY DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVALLABLE 9 10 DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVATIABLE DATA UNAVAILABLE 24 31 34 35 12 13 14 69 66 23 45 16 16 20 21 18 66 64 66 24 45 14 24 24 16 7 28 9 32 10 5 7 5 15 40 14 11 13 8 23 16 17 0 3 12 o o 12 24 17 19 o 15 15 4 16 15 7 10 3 2 10 18 27 30 37 18 17 19 24 25 26 27 26 42 27 53 58 22 19 43 55 57 42 23 29 39 MEAN 18.1

PERCENTAGE OF DATA VALID - 62.4

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 37.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO MONTH - SEP 77 HOUR 24 MEAN DAY 15 32 44 44 31 50 5 4 1 4 16 27 24 13 9 15 28 16 44 48 16 34 46 21 6 7 8 9 14 5 20 31 22 17 22 0 5 0 20 8 14 24 21 20 35 20 13 20 50 20 19 26 47 0 0 0 27 46 13 32 46 11 20 48 8 23 45 10 3 10 16 19 0 32 23 19 22 21 18 32 19 20 26 13 35 17 12 13 14 15 28 16 22 18 8 16 0 21 n 16 15 23 34 16 22 11 11 13 22 0 29 4 15 2 19 2 16 11 11 31 0 36 11 13 17 18 33 17 n 11 10 2 18 17 3 3 19 3 22 23 24 25 26 27 17 15 10 30 12 3 16 16 9 4 5 ó o 10.9 MEAN 

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO MONTH - OCT 77 HOUR 4 5 9 10 11 12 13 14 16 17 18 19 20 21 22 23 24 MEAN 8 12 15 13 18 22 10 12 13 18 14 18 8 9 11 4 4 24 7 3 14 18 4 7 13 6 5 3 7 7 10 11 5 19 3 23 2 21 6 13 9 12 22 12 13 14 15 16 17 18 19 12 5 2 0 1 3 4 9 18 5 4 3 3 7 0 0 10 6 0 9 24 7 17 13 12 11 5 7 32 13 13 5 6 10 6 8 6 13 14 3 10 0 0 7 o 22 23 24 25 26 27 28 29 30 17 21 15 17 9 15 0 10 6 13 2 3 0 4 4 10 0 19 27 1.7 6 .... MEAN 5.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. " \*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ".... INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO MONTH - NOV 77 HOUR Day 9 10 11 12 13 14 20 21 4 4 2 0 7 2 15 6 5 4 4 14 4 0 3 11 10 4 9 0 20 12 9 0 0 1 8 1 1 1 0 . . . 6 4 13 10 15 9 2 17 9 6 18 7 12 17 7 12 8 4 21 13 12 15 5 13 10 12 8 2 15 7 8 9 15 12 4 5 4 1 14 10 8 9 4 2 12 13 14 15 16 17 18 19 20 0 6 7 15 10 12 0 1 7 6 2 10 9 3 13 2 0 4 0 0 0 3 0 0 0 3 0 0 0 21 8 0 7 3 1 1 10 3 2 16 5 7 6 8 15 0 2 0 6 9 11 0 12 2 5 13 2 2 22 23 24 11 4 0 6 11 3 1 7 9 4 0 0 5 16 13 3 4 2 0 3 4 0 6 13 12 0 6 0 3 0 15 16 0 2 13 12 0 27 28 16 16 14 9 4 12 16 14 0 3 0 21 0 0 MEAN 5.1

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

STATION .	C	NO 31105	HYDRO SS	SHERBOURNE/WILTON	ST TOPONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVA	ILABLE	
FEB		DATA UNAVA	ILABLE	
MAR		DATA UNAVA	ILABLE	
APR		DATA UNAVA	ILABLE	
MAY		DATA UNAVA	ILABLE	
JUN		DATA UNAVA	ILABLE	
JUL		DATA UNAVA	ILABLE	
AUG	19	18.1	36	69
SEP	30	10.9	28	57
OCT	31	5.5	13	32
NOV	30	5,1	14	21
DEC	31	5.1	15	22
YEAR	141	8.2	36	
		5.2	30	69

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY C	ROUP FREQU	ENCY DISTRI	BUTION FOR	977						
POLLUTANT	- OZONE - CH	EM! LUMINESO	ENT			UNITS - D	ARTS/BILLI	Ou.		
STATION -	C NO 31	105 HYD	RO SS SHERBO	URNE/WILT	ON ST TOR		##13/BILLI	ON		
MONT	H 00 TO 10			11 TO 50					2018/N N	
JAN		DATA UNAV			91 10 00	0110100	10170150	15180VER	TOTAL	
FEB		DATA UNAV								
MAR		DATA UNAV								
ΔPR		DATA UNAV								
MAY		DATA UNAV								
JUN										
JUL		DATA UNAV								
		DATA UNAV								
AUG		118	85	64	23	0	0	0	464	
SEP	416	185	59	5.1	6	0	0	0	717	
OCT	586	128	22	1	0	0	0	0	737	
NOV	588	119	4	0	0	0	0	0	711	
DEC	588	145	1	0	0	0	0	0	734	
YEAR	2352	695	171	116	29	0	0	0	3363	
FREQUENCY	DISTRIBUTI PERCENT	ON BY PERC	ENTILES			Ex.V. Direction state				
	OF DATA			FREQUE	NCY DISTRI	RATIONS BUTION, PE	RCENT			ARITH
	VALID	MIN	10 30	50	70	90		8 99	MAX	MEAN
	91.6	О	0.0 0.9	4.5	10.0	19,4 2	8.1 38.	4 48.4	69	8.2

POLLUTANT - OZONE - CHEMILUMINE SCENT UNITS - PARTS/BILLION

	STA	TION	- C	NO :	33003		LAWREN	ICE/KE	ENNEDY	SCA	REGRO	JGH				MON	тн - ,	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	. 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	7 13 1 0 0 1 2 2 2	3 7 1 - 0 0 3 11 17	6 1 2 0 0 2 4 18 17	10 7 3 0 0 3 4 18 19	11 13 0 1 0 3 3 17	14 20 0 2 1 3 9 18 17	17 23 0 - 1 1 0 5	19 25 1 0 0 0 3 16 12	20 25 1 0 1 1 5 14	20 19 2 1 1 4 10 14	21 18 3 - 3 1 16 11 16	21 19 4 - 8 2 17 11 18 17	20 18 5 15 16 9 17 4 15 17	19 17 4 15 13 11 15 3 17	19 14 3 13 14 11 9 3 15	17 8 1 10 12 5 10 5 12 9	12 2 1 3 5 2 9 4 9	5 0 0 1 1 3 1 10 13	6 0 0 0 0 1 3 1 9 1 3	3 0 0 0 0 2 4 1 8 9	1 0 0 0 1 7 3 1	1 0 0 1 7 2 2 1 1 1 7	3 0 0 0 1 0 3 1 13 17	3 0 0 0 1 0 1 1 1 1 1 1 1 7	12 10 1 3 3 5 4 13 15
1 t 12 13 14 15 16 17 18 19	17 1 4 1 0 7 7 3 4 5	17 0 1 0 7 8 5 6 5	19 0 1 0 1 11 9 4 6	18 0 3 0 1 13 1 4 5 9	18 1 4 0 1 1 1 9 6 5 9	17 1 0 7 12 11 7 12 9	13 1 0 0 9 10 4 2 5 3	5 0 0 1 8 9 4 1	6 1 1 1 8 9 7 1 3 2	9 3 2 1 9 13 8 7 1	13 4 7 3 10 15 10 9	16 6 10 3 8 16 11 12 13	19 9 13 5 10 17 11 11	19 9 11 5 9 15 10 9 • • • • • • • • • • • • • • • • • • •	17 12 **** 4 9 13 10 8 10	15 9 1 1 6 12 5 4 9	10 4 0 0 5 5 5 1 9 5	4 1 0 0 4 3 4 1 4	1 0 1 0 4 3 5 1 3 1	3 1 3 0 5 2 7 1 2 0	7 0 3 0 5 1 8 0 7	8 0 3 0 8 3 6 0 7	4 2 1 0 10 7 5 1 7	1 3 2 0 7 5 3 2 5 3	12 3 3 1 6 9 7 4 7
21 22 23 24 25 26 27 28 29	3 13 1 1 0 7 23 1 9	0 15 0 1 0 8 20 1 6 13	0 17 0 1 0 12 19 1 5	0 18 0 1 0 13 18 3 5	1 19 0 1 0 14 18 0 8 3	1 19 0 2 0 7 17 0 8 5	0 16 0 0 0 2 15 3 8 5	0 15 0 0 0 6 11 9 7	1 14 1 0 13 8 12 8	3 15 3 1 1 17 11 13 11	15 7 1 3 17 15 15 13 20	12 15 8 1 4 10 19 14 14 21	14 16 9 4 4 19 12 13	13 15 9 5 4 20 23 13 21	12 15 10 3 5 10 19 17 16 20	10 13 7 2 4 5 16 13 15 21	3 8 5 1 4 5 1 3 1 3 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3 7 3 0 5 5 7 3 4 16	3 8 4 1 7 7 7 1 3	6 9 7 0 7 7 5 7 3	9 11 8 0 6 7 2 12 5	12 15 5 0 5 10 2 13 4	12 12 3 0 4 8 3 14 4	13 5 1 0 3 14 2 15 5	6 14 4 1 3 9 13 9 8 13
31 MEAN	13	13 6	11	11	11	9	5 6	1	3	7	9	10	13	13	14 12	10 9	3 6	1	1	1	1	1 5	3 5	10	7 7 . 0

PERCENTAGE OF DATA VALID - 97.7 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

	PO	LLUTA	ANT -	OZONE	-CHEM	ILUMI	NESCE	NT						UNITS	5 - PA	RTS/E	BILLIC	N							
	ST	AT10	4 - C	NO	33003		LAWRE	NCE/K	ENNEDY	SC	RBOR	UGH				MON	HTH -	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	1 1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	16 0 8 11 15 10 15 0	18 0 9 17 15 9 19 0	18 1 9 18 17 13 23 0 2	19 14 13 18 19 15 24 0	21 18 12 17 21 17 24 0	21 20 11 7 19 19 21 0 7	13 8 5 1 14 19 14 0 7	11 1 1 14 17 9 0 2	11 2 2 1 15 14 13 1	15 3 4 15 16 15 2 3	22 6 3 9 15 17 17 4 7	19 10 7 13 16 19 17 5 8	18 19 11 17 17 19 19 7	18 19 **** 17 17 20 19 - 12 13	19 19 12 15 17 20 17 13 11	15 11 9 10 15 19 13 6 7	10 7 7 4 13 16 6 3 3	5 2 5 3 11 12 1 2 0 9	3 6 1 11 9 0 0	0 1 5 3 1 1 7 0 0	0 2 6 5 12 9 0 1 0 16	0 3 7 5 13 11 0 10 17	1 10 1 7 13 11 0 6 0	1519990209	12 8 7 9 15 14 12 3 4 8
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MEAN	11	12	13	15	14	14	10	7	8	1 1	13	15	16	16	17	15	11	В	7	7	9	10	10	10	11.7

PERCENTAGE OF DATA VALID - 88.1 PERCENTAGE OF DATA INVALID - 11.2

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- NOTES 1. "..." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - MAR 77 HOUR 8 9 10 11 12 13 14 15 24 MEAN 28 32 20 11 19 2 3 4 5 6 7 8 9 22 24 10 35 8 24 13 24 10 33 14 25 15 1 11 24 28 14 8 22 6 23 8 18 22 20 8 24 10 7 21 33 26 10 23 16 10 19 24 31 26 15 21 18 15 26 19 17 28 18 3 19 10 24 20 24 26 30 20 6 19 11 25 34 30 2 30 5 26 3 11 12 5 1 18 0 0 34 3 13 7 2 0 14 0 0 29 14 19 20 9 19 9 27 13 3 18 33 1 12 8 6 0 30 0 35 8 18 11 0 3 6 15 26 16 25 4 25 1 6 16 10 0 1 6 12 9 8 0 32 0 24 4 27 3 0 5 10 12 13 14 15 16 17 18 19 20 49 24 48 24 45 24 48 24 6 6 19 24 18 7 37 22 2 0 14 19 28 9 33 10 10 22 12 15 21 18 30 39 24 17 32 20 21 28 24 32 31 15 3 17 39 19 15 23 39 21 40 22 17 30 18 21 39 18 12 37 15 19 15 22 15 19 0 1 26 15 1 15 8 12 26 0 0 0 25 16 1 15 10 32 15 7 18 16 15 19 12 18 21 0 26 15 1 15 10 17 24 7 0 21 26 24 10 10 15 17 17 20 1 3 10 10 28 12 27 16 9 42 10 15 15 10 15 26 15 5 14 20 0 24 15 4 10 19 8 2 0 21 24 26 7 17 21 12 9 15 8 19 24 22 31 19 3 6 11 27 14 29 16 23 19 30 3 24 29 31 22 23 24 25 26 27 21 24 23 24 16 0 37 19 24 11 19 18 12 1 19 12 19 10 21 15 22 14 12 14 23 19 21 20 21 24 12 21 33 17 19 21 20 22 26 15 18 20 21 21 24 29 18 17 22 21 24 33 19 17 24 22 21 24 33 21 26 38 17 15 17 18 17 22 35 24 36 28 14 17 18 16 14 37 25 33 19 16 14 18 10 3 36 14 31 26 17 9 16 11 0 44 15 30 27 17 17 17 11 0 43 16 26 26 19 21 17 11 0 41 19 21 19 13 0 39 13 20 21 19 13 0 37 21 19 21 19 16 23 21 22 26 25 24 17 0 35 19 26 26 27 21 0 32 18 3 27 28 27 26 0 30 26 29 28 26 0 24 19 24 27 28 18 0 27 18 12 14 3 12 10 3 17 21 18 23 34 24 35 40 21 20 24 33 22 31 40 29 30 

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

MEAN

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

12 10

#### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LUTAN	νT - (	ZONE	- CHEM	ILUMI	NESCEN	NT					1	UNITS	- PA	RTS/B	LLIO	N							
	ST	TION	· c	NO	33003	1	LAWREN	NCE/KI	ENNEDY	SCA	RBORO	UGH				MON	тн -	APR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
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21 22 23 24 25 26 27 28 29 30	19 15 25 19 15 0 0 37 9	29 27 22 19 19 0 0 39 3	38 36 26 19 25 0 24 4	42 45 26 15 26 3 0 17 6 0	28 35 21 18 25 2 0 20 9	28 26 28 17 15 6 0 17 3	17 8 25 19 5 6 0 10 3 6	13 3 24 19 5 8 3 12 3	21 2 17 25 17 13 7 18 8	39 4 19 28 28 30 12 21 18 24	12 21 26 10	52 6 12 26 27 19 22 27 34	39	42 5 19 21 40 28 23	51 9 21 24 32 38 31 20 26 46	53 6 14 27 17 28 33 19 24 51	11 22 3 12 29 17 26 45	24 11 20 13 3 41 19 23 39	4 10 19 6 9 39 17 9	10 3 7 9 3 1 31 15 1	0 2 12 17 2 0 26 15 2	0 21 21 16 1 0 34 15 0	4 17 19 14 0 0 29 10 0 2	4 16 21 10 0 0 23 7 0	28 13 18 20 15 12 17 19 11
MEAN	13	15	17	17	16	15	11	12	16	22	24	27	29	32	33	30	28	27	21	17	14	15	13	10	19.6

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.7

- \*- " INDICATES DATA IS UNAVAILABLE
- 3. " " INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - DIONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH . JUL HOUR 24 MEAN 18 0 40 3 44 13 0 3 23 27 0 32 10 36 22 8 0 24 0 8 5 23 7 12 12 29 17 0 25 10 25 29 25 18 8 14 25 21 40 32 16 14 20 24 49 26 16 20 21 24 26 17 26 90 51 0 20 28 25 22 18 57 100 63 0 27 27 20 20 17 46 78 56 18 23 23 20 24 18 53 66 56 17 20 38 16 27 19 44 59 42 16 29 56 17 26 4 5 6 7 8 9 0 39 6 44 22 0 18 7 18 61 91 63 18 27 50 44 18 15 40 12 23 12 18 44 37 18 22 14 9 33 21 60 17 22 4 12 0 0 42 10 49 15 27 0 10 0 18 24 45 33 21 16 12 15 30 80 35 0 27 34 25 22 31 0 42 21 40 2 48 21 2 25 55 35 18 12 30 10 47 8 71 20 40 0 8 22 17 0 4 20 27 25 23 6 0 21 12 13 14 15 16 17 18 19 20 27 21 38 24 36 20 5 25 7 33 7 15 11 4 7 10 31 2 17 2 31 15 1 7 0 34 1 41 25 32 83 52 55 37 61 59 12 16 10 7 19 29 3 25 8 10 25 33 37 30 38 41 38 44 26 25 48 55 37 48 40 50 57 25 31 107 79 67 59 59 27 39 89 76 65 63 28 57 26 68 63 73 59 59 36 71 53 22 57 42 79 52 67 48 58 49 21 39 31 90 42 72 59 40 22 42 18 93 38 65 56 33 22 42 3 78 36 45 49 25 16 38 3 49 27 27 31 27 25 3 1 5 8 15 8 0 14 8 18 1 33 4 19 8 5 16 4 29 16 10 2 0 1 5 1 29 19 24 28 37 34 28 29 30 21 3 23 3 38 20 23 20 25 36 20 27 33 29 3 25 14 11 15 0 33 22 23 24 25 26 27 28 13 2 14 25 59 13 18 4 23 62 14 16 9 24 48 12 10 2 21 27 7 7 21 8 4 15 8 25 18 14 36 20 12 12 22 37 32 21 20 43 23 13 21 29 40 34 20 27 55 22 14 20 36 49 32 20 45 58 18 17 36 50 48 22 38 67 22 15 20 42 55 33 20 25 60 16 17 45 48 32 35 18 31 50 13 12 42 45 36 30 27 59 16 15 43 48 23 34 16 35 42 13 14 40 49 32 28 12 40 16 12 14 33 49 16 25 1 6 19 5 5 14 21 36 23 11 16 28 23 21 7 18 54 14 3 0 50 68 20 16 31 50 61 35 47 11 33 5 8 10 10 33 10 1 0 23 8 7 40 5 0 34 12 8 41 2 13 0 2 7 5 13 30 8 25 MEAN 24.9

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH MONTH - AUG HOUR 24 MEAN 7 31 10 26 25 33 27 17 12 18 13 13 48 31 16 23 29 21 21 3 10 11 28 17 13 7 7 23 55 48 22 24 31 35 32 16 37 60 63 34 28 31 33 34 20 47 79 65 40 36 33 23 33 22 49 59 53 40 38 37 51 54 53 42 40 37 11 27 35 50 49 46 41 33 24 16 26 47 50 47 43 37 31 28 14 23 35 3 4 5 6 7 8 9 23 45 33 23 25 42 28 5 27 53 37 38 27 27 23 14 21 42 10 28 8 23 18 10 21 8 27 7 12 23 2 0 22 14 10 32 19 8 1 19 34 0 25 26 8 0 1 8 20 11 38 31 3 0 19 24 30 31 30 23 18 14 18 12 14 14 11 1 4 23 48 25 16 38 20 8 33 29 27 20 2 13 30 5 20 18 1 8 32 10 0 10 10 23 21 22 16 14 5 0 21 5 12 13 14 15 16 17 18 19 13 10 7 1 0 20 12 15 23 20 27 2 3 17 8 29 3 7 0 14 0 7 8 29 3 5 9 34 1 15 40 29 5 3 15 10 7 27 58 25 18 9 27 14 31 27 61 24 19 12 25 15 35 16 33 63 24 19 15 21 15 37 33 62 22 17 20 16 32 36 53 17 23 16 19 15 29 25 36 60 19 27 16 14 14 14 33 57 14 16 16 12 12 12 34 1 0 17 5 0 32 1 1 8 0 20 0 0 3 9 0 16 7 3 3 0 4 18 33 19 8 7 11 9 13 52 29 18 21 14 26 14 44 29 14 40 9 6 18 10 7 13 10 0 0 8 0 5 30 2 3 10 6 1 21 12 21 14 12 0 3 22 23 24 25 26 27 28 30 13 23 16 3 16 10 3 0 1 3 5 3 1 1 14 12 10 10 26 11 35 16 14 14 14 32 28 43 14 18 16 16 35 12 12 39 72 57 59 15 18 14 33 78 66 52 11 8 11 35 57 56 53 5 8 3 8 46 38 29 10 10 8 33 16 2 3 28 19 5 20 11 14 10 12 26 28 36 12 16 19 54 48 36 10 46 14 40 67 67 55 32 28 50 25 39 4 5 31 38 57 52 2 19 29 27 27 55 17 28 34 10 17 2 35 30 \*\*\*\* MEAN 19.0

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	ST	AT10N	- C	NO	33003		LAWRE	NCE/K	ENNE	Y SCA	RBORO	UGH				MO	NTH -	NOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1.7	18	19	20	21	22	23	24	MEAN
1	12	12	12	13	15	8	5	3	8	18	20														
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8	21	21	21	21	12	13	12	9	7	7	В	9	13	14	13	12	1.1	10	9	12	15	18	20	20	8 12
9	7	9	14		23	23	21	17	18	19	19	19	18	18	18	16		17	17	11	14	15	14		12
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28	23	18	7	14	9	6	3	0	0	2	5	7	7	5			23	24	24	25	24	23	23	22	19
29	0	0	1	2	0	0	0	0	o	ō	ő	1	6	9				0	0	0	0	0	0	0	5
30	1	2	4	0	0	0	0	0	0	3	5	3	3	9	7	2	0	0	0	0	0	3	0	0	1
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MEAN	6	7	7	9	9	9	7	6	7	9	10	10	11	31.	11	9	7	6	5	5	6	6	6	5	7.7

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	NT -	OZONE	- CHEM	1 LUM I	NESCE	NT						UNIT	S - p.	ARTS/B	111110	ıN.							
	ST	ATION	- c	NO	33003		LAWRE	NCE/K	ENNEDY	SCA	RBORO	UGH					TH -								
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13						77						
DAY												1.2	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	3	2	2	2	2	1	2	3	3	1	1	7	w	100						
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3	11	10	19	19	18	15	15	10	9	10	12	13	16	8				2	3	2	6	4	8	7	8
4	2	2	6	6	9	1.1	8	9	12	16	20	23	20	16	8	В	5	0	0	1	5	7	5	2	9
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7	9	15	17	17	16	15	6	5				15	14	17	12	9	3	3	4	4	8	7	9	9	14
В	2	2	2	4	4	6	2	0	5	9	11	12	12	18	****		7	4	3	4	4	3	2	2	9
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27	5	6	19	21	21	19	19	17	19	21	20	20	22	19	18	16	12	8	6		17	15	15	13	19
28	3		7	8	7	6	4	4	7	13	16	16	14	15	15	11	7	3		4	3	6	2	2	14
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29	0	0	1	1	3	3	0	0	2	5	7	13		• • • •	5	10. (6.		3	3	4	2	4	3	0	6
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31	1	1	1								-	-	-	-	3	-	0	O	0	3	0	- 1	0	0	1
			1	1	4	0		2	2	2	5	12	14	15	16	16	9	7	8	11	3	4	11	10	7
MEAN	6	7	8	9	10	9	7	6	7	9	10	12	13	12	12	10	7	7	7	7	7	7	7	6	8.3

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. \*- \* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION . C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - JAN 77 HOUR 11 12 19 20 21 22 23 DAY 24 MEAN 11 3 5 12 2 10 2 3 4 5 6 7 10 9 4 10 4 7 5 0 0 0 1.0 12 13 14 15 16 17 18 19 20 0 0 7 8 5 0 0 7 3 2 7 7 7 0 2 0 1 2 ó 22 23 24 25 26 27 28 0 9 0 0 0 3 10 0 3 12 0 0 0 11 0 0 0 3 7 13 6 

PERCENTAGE OF DATA UNAVAILABLE - 0.1

4.0

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE 2. \*- \* INDICATES DATA IS UNAVAILABLE

MEAN

3. ".... INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - DZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - FEB 77 HOUR 9 10 11 12 24 MEAN 5 12 11 12 3 4 11 7 13 0 12 8 14 0 2 12 8 9 3 2 14 14 15 14 14 10 5 10 0 14 14 14 10 14 14 14 13 13 13 9 4 5 2 12 14 3 10 3 12 13 14 15 16 17 18 19 20 5 13 11 13 5 13 10 13 12 4 14 17 0 4 7 8 4 3 2 5 14 12 4 7 5 9 0 0 5 11 12 12 10 6 4 12 13 13 9 10 5 15 0 0 7 10 18 12 15 18 22 23 24 2 0 13 12 12 8 4 10 5 2 0 10 5 4 15 2 11 5 5 17 7 11 11 8 8 2 0 12 0 12 0 8 10 6 18 14 1 12 14 15 5 4 9 5 7 15 11 12 0 7 12 0 11 8 15 7 11 0 10 20 12 0 9 4 26 27 28 0 6 7 12 17 17 12 20 0 12 16 5 MEAN 6.9

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.7

- NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - "-" INDICATES DATA 15 UNAVAILABLE
  - 3. ".... INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - MAY 77 HOUR DAY 7 8 9 10 11 12 13 16 17 18 19 20 21 22 23 24 MEAN 20 17 0 7 23 25 20 20 25 14 26 24 20 6 27 30 22 22 33 27 22 18 1 27 30 22 21 33 22 13 16 9 1 0 16 16 15 19 20 10 15 0 12 0 7 7 4 3 4 5 6 7 8 9 10 14 5 4 23 20 4 16 1 6 0 17 0 19 20 20 7 17 25 16 14 10 3 14 19 15 17 22 18 4 16 23 17 14 15 9 0 12 9 19 16 14 5 15 12 12 9 28 27 19 33 29 22 12 0 20 20 0 20 19 15 15 20 17 12 25 23 18 31 29 28 17 31 22 18 17 25 12 13 14 15 16 17 18 19 0 23 0 3 0 27 0 19 0 12 0 0 28 12 0 0 30 0 3 32 28 21 25 0 33 0 0 15 1 1 0 13 4 3 0 0 10 2 0 0 15 11 8 0 4 11 5 0 25 30 24 26 20 52 24 31 18 22 28 33 36 21 65 35 34 12 23 25 26 36 22 61 34 38 10 31 29 24 35 32 53 30 31 12 28 38 31 41 25 48 27 27 9 19 21 16 13 28 22 8 9 2 8 0 4 3 2 3 0 5 15 3 20 3 11 6 28 9 4 15 0 15 0 9 13 0 2 16 18 14 15 11 20 22 22 32 25 26 5 44 16 22 6 27 19 28 35 46 29 54 30 21 21 32 33 43 28 65 36 18 15 0 15 12 10 23 25 4 36 11 17 2 0 0 29 30 7 0 28 3 6 20 25 18 0 0 16 0 0 22 22 23 24 25 26 27 28 29 30 31 31 0 0 0 0 0 12 0 11 0 0 0 3 0 1 0 0 4 4 1 12 16 5 7 5 27 27 10 12 12 3 25 27 29 28 18 17 17 33 31 33 21 19 25 36 21 23 35 22 49 24 18 24 37 25 31 37 9 52 20 19 25 34 44 22 26 21 11 30 32 22 34 45 31 12 22 7 36 32 22 30 41 34 3 20 41 33 2 19 5 36 17 30 28 45 25 3 15 2 22 13 20 41 19 2 12 4 8 15 21 14 12 11 8 12 17 20 13 29 6 1 8 4 0 18 10 0 0 20 18 20 36 27 19 9 0 0 22 0 9 0 0 29 26 29 MEAN 24 27 15.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

CNTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTAN	1 - 0	ZONE	- CHEMI	LUMI	NESCEN	T					Į,	NITS	- PAF	RTS/B	ILLION	i i							
	STA	NOITA	· c	NO	34002		SC CTR	770	DON	MILLS	RD.	NORTH	YORK			MON	гн - "	UN	77						
HOLR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5	18 2 0 0 3	20 4 0 0 0	27 5 0 0 12	23 11 0 0 28 12	29 22 0 0 30	30 19 0 0 32 12	16 12 0 0 33	15 5 1 9 32	12 5 6 19 29	15 4 12 17 25	25 16 30 25	25 19 37 23	23 7 22 39 20	25 7 22 36 20	23 9 22 32 20 18	17 6 22 16 19	15 5 23 25 18 17	17 7 22 18 17	17 9 14 16 15	14 8 11 12 11	14 1 6 1 2	5 0 1 11 4	3 0 0 19 7	7 0 0 14 11	18 7 9 15
7 8 9 10	14 0 3 7	14 6 4 6	15 10 7 6	15 12 11 7	15 10 11 7	16 6 5 4	14 1 1 2	15 2 1 2	17 9 7	21 22 10 12	23 26 14 15	25 28 24 19	22 30 20 20	22 30 22 25	22 31 23 27	22 30 15 23	22 30 12 18	21 29 13	21 21 13 18	20 15 7	5 11 7 0	5 4 7 0	7 2 7 0	3 0 7 0	10 17 15 10
11 12 13 14 15 16 17 18 19	0 29 1 4 11 1 0 0 14 0	5 31 7 13 0 0 0	9 35 1 7 12 0 0 9 20	12 33 1 6 9 0 0 13 18 0	10 28 1 7 7 0 3 15 17	7 32 0 3 4 0 4 12 15 0	9 34 0 3 0 0 1 7	12 31 1 6 4 0 10 10	15 24 3 10 12 6 17 9 18 2	17 21 6 19 17 11 30 9	21 19 21 20 20 34 10 20	22 19 19 28  22 34 12 20 8	22 20 21 21 27 18 31 17 21	22 21 22 14 27 19 31 21 20 21	22 23 16 22 28 14 31 22 20 24	26 19 9 22 26 9 30 27 18	22 19 11 22 19 17 28 28 17	25 15 12 17 15 20 28 30 16 18	19 12 9 11 11 19 27 28 15	12 7 9 4 3 20 21 27 12	15 4 7 1 15 7 23 3	22 2 1 5 0 6 0 25 1 6	23 2 1 4 0 1 0 25 0 7	28 2 1 7 0 1 2 21 0 5	17 20 7 12 12 9 15 17
21 22 23 24 25 26 27 28 29 30	700000099	0 11 0 0 0 8 0 1 20	4 12 0 0 1 10 0 2 22 10	8 11 0 0 11 16 0 2 25 5	9 12 0 0 16 18 0 3 27	4 9 0 16 18 0 1 26	3 5 1 0 13 18 0 1	7 7 7 0 7 18 1 3 9	12 15 22 6 5 18 6 10 10 6	18 19 27 14 26 19 16 19 18 11	24 20 15 29 19 24 26 16	25 21 19 31 20 30 24 14 20	23 22 20 38 33 23 41 23 14 33	22 20 22 35 24 48 30 13 36	22 21 14 33 29 27 48 32 9	15 18 15 38 29 27 42 38 7 18	17 17 12 41 28 26 39 38 7	17 17 12 34 24 31 36 37 10	17 15 11 31 19 34 31 34 11	9 12 5 19 11 27 23 34 12	1 4 5 7 11 8 5 29 11 5	0 1 0 12 2 11 29 7	0 0 0 7 1 3 30 7	2 0 0 3 0 20 6 3	11 12 8 13 17 18 17 19
MEAN	6	7	В	10	10	9	7	В	11	16	20	22	23	24	24	21	21	20	18	14	8	6	6	5	13.4

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. \*\*\* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POL	LUTAN'	r - o	ZONE -	CHEMI	LUMIN	ESCENT						ï	ZIINL	- PAR	TS/BI	LLION								
		TION			35003		LMCRES		4D. E	TOBIC	OKE					MONT	H - J	AN	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN 15
1 2 3 4 5 6 7 8 9	8 17 8 1 0 0 12 3 3	8 19 8 1 0 0 12 3 10	2 18 6 0 3 0 14 0 15	3 17 2 0 6 0 15 1 19	12 23 1 0 3 0 12 0 19	19 27 3 2 1 0 7 0 19	21 27 3 2 1 0 1 0 19	21 26 3 1 0 0 0 1 1 8 7	19 23 3 2 1 0 2 1 14 6	19 23 8 7 1 0 14 1 16 6	21 26 14 9 4 1 17 3 17	3	21 25 13 19  7  16 16	21 24 13 21 18 12 **** 13 17	21 22 13 21 20 10 19 12 14	19 19 13 14 17 5 17 8 12	10 14 12 6 4 1 12 6 3	10 9 7 1 0 0 4 14 1	13 8 0 0 0 8 12 0 16	14 B 5 0 1 1 3 10 14	13 6 7 0 1 11 1 8 1	14 7 7 0 1 19 6 6 2	12 8 4 0 1 20 8 4 4 19	11 7 3 0 1 16 7 2 6	18 7 5 4 4 10 5
11 12 13 14 15 16 17 18	16 1 10 1 0 13 1 12 14	15 1 12 0 0 17 3 8 12 18	15 1 9 0 1 19 12 1 12 20	15 3 10 0 1 21 21 1 12 20	15 5 10 6 22 23 8 12 18	14 9 0 15 21 20 10 17	6 2 7 1 18 19 16 3 9	6 1 3 1 19 19 17 0 1	6 1 2 1 18 19 16 1 3	8 3 6 1 18 19 14 6 11	14 8 10 2 18 19 19 10 12 20	17 12 12 8 19 21 19 17 17	22 14 14 11 20 22 18	22 17 14 •••• 20 22 19 19 20 26	21 17 14 7 22 22 19 18 19 24	19 14 13 3 21 19 17 16 19	17 9 6 1 16 17 16 8 11	14 2 1 0 14 16 14 10 4	14 0 0 12 14 16 10 2	15 0 0 6 14 18 10 3	13 5 0 8 14 17 12 0 3	12 9 1 0 12 12 14 12 3 4	6 11 1 0 10 9 12 14 12	3 10 3 0 10 8 12 15 17	14 6 7 2 13 17 16 10
20 21 22 23 24 25 26 27 28 29 30	20 5 14 0 8 0 10 27 10 17 21	18 2 17 0 5 1 12 25 8 14 21	1 8 1 3 1 17 22 8 12 15	2 21 1 3 0 21 22 12 12	4 21 2 6 0 22 21 12 14	4 20 2 8 1 21 21 11 15	1 21 0 6 1 17 21 7 16	1 21 0 2 1 8 19 0 17	1 17 2 1 1 10 17 2 17	6 19 8 1 3 16 20 3 18 21	11 22 14 3 6 23 22 5 19 23	13 24 21 7 8 27 25 8 20 26	18 25 22 8 8 26 26 18 21 26	25 21 8  23 26	20 24 19 9 17 20 26	18 21 17 3 15 21 23 23 23	9 19 10 1 7 20 23 22 23 26	2 11 0 6 18 16 17 26	3 6 1 0 10 4 15 14 16 24	3 9 1 0 11 14 14 21 17 25	5 9 0 12 10 14 23 18 25	17 3 0 0 14 10 15 23 17 24	18 6 1 0 11 12 13 23 17 24	19 2 3 0 9 23 12 21 16 22	8 16 5 3 6 16 20 13 18 21
31	21	20	19	18	16	14	13	12	12	16	17	17	19		22 19	21 16	19	15	13	11 8	11	11	10	10	17
MEAN	9	9	9	10	11	11	9	8	8	10	13	16	18	19	19	10	12	3		Ü	-				

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

						ON	AKIO	mint	2 ( 10 )	0.1		CINE A	O I III C		1536.55		150 E	2001							
	POL	LUTAN	т - о	ZONE	- CHEMI	LUNIN	IESCEN	T					ţ	NITS	- PAF	RTS/B	ILLION								
	STA	TION	- с	NO	35003	E	LMCRE	ST RO	AD.	ETOBIC	OKE					MON	тн - ғ	EВ	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1 2 3 4 5 6 7 8	23 8 13 16 24 6 13	25 5 14 19 23 10 17	26 4 12 23 23 10 22 8	25 10 10 23 21 12 21	25 21 12 25 22 12 16 3	24 20 14 23 19 11	19 8 10 21 17 11 17	12 1 8 8 12 13 9	14 3 2 5 17 15	19 13 9 9 21 16 19 5	22 20 18 19 22 19 22	26 17 25 23 23 26 19	28 21 30 25 25 28 26	24 29 21 30 26 25 27	25 32 24 32 26 25 28 30	24 32 24 26 26 25 24 28	17 27 22 22 23 20 7 22	6 24 14 14 17 19 0 22	0 11 18 1 10 14 1 24	1 8 16 1 13 13 0 25	7 12 15 8 16 17 1 23	14 19 9 13 20 1	14 14 21 10 10 17 0 29	12 14 19 17 6 16 1 33	17 16 16 17 19 16 14
9 10	24 4	18	14	13	13	13	15	10	13	17	19	19 20	22 25	21	21 21	17	19 13	1	0	0	1	1	0	0	7
11 12 13 14 15 16 17 18 19	1 10 8 23 19 10 21 12 1	0 6 2 2 5 13 19 16 0	0 10 7 27 26 14 18 21 0	8 11 14 27 26 14 19 21	3 14 27 23 12 22 19	21 3 14 26 23 14 22 10	24 6 15 24 21 9 14 6	21 6 14 14 15 1 2 2 5	16 6 14 12 17 4 6 2 12	19 11 9 4 19	26 17 17 21 22 19 17 6 23 26	21 17 22 26 25 28 7 25 29	20 13 16 27 25 28 31 7 25 30	21 14 16 27 28 32 8 25 30	23 6 17 27 26 28 34 8 26 30	19 6 16 27 26 28 35 7 26 30	11 7 18 23 23 22 34 3 24 26	10 9 19 15 17 15 28 3 21 21	10 7 20 14 16 14 24 5 14	8 3 20 10 14 18 14 1 10 21	3 19 6 17 21 9 5 8	7 8 21 3 19 22 3 10 14 21	8 8 21 9 20 22 1 10 12 21	9 11 22 14 19 23 6 8 10	14 8 16 19 21 17 19 8 14
21 22 23 24 25 26 27 28	24 22 0 20 14 30 16 30	25 18 0 20 6 30 12 31	26 11 18 10 30 14 32	26 15 16 12 30 15 30	18 10 15 15 15 15 31 24 29	23 17 12 13 17 30  28	17 12 20 9 16 28 25 21	11 9 20 6 15 26 21 14	15 8 20 4 18 25 17 9	12 17 4 18 29 9	28 17 14 3 19 31 5 17	28 18 14 5 19 32 5 24	30 14 6 24 36 1 31	30 24 13 4 26 39 1 32	31 28 13 2 28 37 1 33	31 28 14 1 26 36	22 14 2 24 34 34	21 4 13 1 21 29 28 28	13 0 15 0 23 23 29 26	10 0 17 11 24 9 28 28	17 0 17 10 27 6 29 24	17 120 3 28 13 34 24	17 0 20 12 28 13 32 23	18 0 19 19 27 12 30 22	22 12 13 9 20 27 18 25

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. "\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE MONTH - MAR HOUR 1.7 25 6 30 23 27 21 19 11 37 26 10 28 24 28 21 26 24 23 2 16 21 29 13 7 4 27 3 4 23 32 23 24 37 20 14 4 13 23 26 17 14 48 0 14 7 16 23 22 16 22 23 24 21 17 17 27 15 6 23 26 19 17 50 23 7 12 23 29 18 20 30 24 13 5 26 32 26 29 41 31 20 8 28 32 28 33 46 43 23 6 28 30 23 18 5 26 32 23 37 55 56 4 21 35 19 38 55 58 2 21 33 14 37 54 1 0 22 26 16 26 48 29 12 22 23 15 17 15 43 0 23 24 29 21 12 0 17 12 19 30 12 7 3 25 27 22 24 30 21 10 0 26 21 32 16 17 30 31 6 14 2 30 6 9 0 30 14 34 50 50 8 4 37 32 52 12 13 14 15 16 17 18 19 20 0 0 9 3 10 4 1 17 23 12 3 0 23 28 12 5 0 23 27 18 7 10 17 24 21 6 12 1 0 13 15 21 11 21 18 19 24 25 20 32 26 17 24 20 22 26 27 22 34 26 29 20 20 29 29 29 22 37 2 31 21 26 24 32 13 26 10 0 0 0 9 25 0 22 1 30 8 0 0 3 19 0 26 0 30 10 1 0 0 18 0 21 0 31 0 1 2 23 0 19 3 0 0 13 21 0 24 0 23 12 13 3 24 23 24 28 28 32 20 28 30 20 40 32 20 30 28 32 25 43 32 21 13 26 32 18 46 3 15 20 21 19 30 19 4 19 26 17 23 27 4 6 19 1 21 27 25 11 18 0 5 21 0 2 19 18 16 0 2 0 ō 22 23 24 25 26 27 28 29 14 23 29 25 15 0 17 3 24 19 21 27 30 28 23 0 0 32 28 32 30 27 0 0 31 20 32 28 25 0 0 13 10 25 23 26 6 0 10 17 27 27 29 10 28 28 29 33 24 2 12 14 30 30 30 34 24 3 23 24 21 36 30 21 37 30 34 39 26 22 36 30 32 39 19 2 21 32 28 30 40 22 1 47 21 26 26 23 30 19 0 47 27 26 20 10 0 24 31 25 19 0 0 24 28 26 14 0 0 22 25 28 24 22 9 25 20 26 20 1 2 0 48 27 14 21 10 0 1 0 48 27 30 28 25 0 0 23 32 29 29 0 0 30 24 12 0 2 17 29 26 17 0 0 31 32 38 22 24 2 17.8

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	POLLUTANT - OZONE-CHEMILUMINESCENT  STATION - C NO 35003 ELMCREST ROAD.												UNITS	- PAI	RTS/B	ILLION	N							
	ST	TION	· c	NO	35003		ELMCRI	EST R	OAD.	ETOB1	COKE					MON	тн - ,	APR	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEΔN
1	9	10	9	8	4	4	4	3	8	15	22	20	16	• • • •	5	7	10	8	0	0	0	2	в	8	8
2	10	16	1.8	13	13	10	7	6	7	11	8	4	2	6	5	- 1	1	1	0	0	0	0	17	34	8
3	30	32	22	20	24	25	24	22	22	24	27	30	33	34	34	35	33	31	20	0	0	2	0	0	22
4	0	0	0	0	15	24	21	19	21	23	20	19	21	21	19	14	12	1.1	12	12	17	12	10	9	14
5	8	8	5	3	4	4	14	17	23	26	28	29	34	35	*	29	28	24	25	25	26	26	26	26	21
6	28	27	27	26	26	25	21	20	20	27	28	30	30	30	29	28	28	29	25	22	14	12	10	14	24
7	20	23	26	1.8	17	17	15	12	12	12	28	28	27	14	8	1.1	26	21	19	12	6	16	27	27	18
8	27	28	28	28	29	30	30	28	28	28	30	30	32	32	32	33	34	32	27	23	23	18	3	0	26
9	1	1	0	12	17	18	20	21	30	35	37	37	39	39	39	40	40	38	19	3	0	0	0	0	20
10	0	0	0	0	0	1	1	13	28	27	26	28	30	37	38	39	38	26	15	10	5	6	13	3	16
11	0	0	0	O	0	0	0	3	6	9	11	24	55	59	61	61	67	72	65	60	56	47	41	34	باد
12	29	40	48	48	44	39	30	13	28	37	34	29	36	48	60	65	59	50	19	10	3	0	0	0	32
13	0	0	0	O	3	14	19	13	22	26	34	47	• • • •	50	52	47	35	34	32	32	29	30	17	7	24
14	0	10	12	13	14	5	3	10	22	29	32	34	37	37	37	37	36	34	19	8	8	1.1	12	7	19
15	3	11	13	15	17	13	5	3	5	10	17	21	21	27	38	37	33	28	24	8	7	7	8	7	16
16	8	11	13	17	14	12	5	13	21	32	37	34	32	34	35	36	36	37	26	6	6	1.1	1	1	20
17	0	3	6	14	19	19	17	17	29	39	36	36	32	32	35	36	34	30	10	4	3	0	0	0	19
18	0	0	0	0	0	0	0	O	0	0	2	6	1.1	12	19	24	16	4	0			3	6	0	5
19	2	0	0	0	0	0	0	1	3	9	25	26		32	37	36	17	9	8	6	6	1	0	0	9
20	0	0	0	0	O	0	0	0	1	1	3	11	14	18	26	29	28	19	17	3	0	26	9	3	9
21	0	4	6	0	4	O	1	3	3	5	13	26	23	19	12	17	11	2	1	26	15	2	3	6	8
22	7	8	10	19	16	18	15	9	4	1	3	12	12	10	6	8	8	3	3	3	2	6	10	8	8
23	12	14	19	20	19	18	19	16	12	12	В	1.1	14	17	18	12	6	3	8	1	3	8	1.1	12	12
24	13	7	7	12	14	14	14	16	19	22	22	23	12	4	4	11	16	17	12	9	7	12	9	10	13
25	12	1.7	20	21	18	6	1	3	16	19	13	11	15	20	21	12	10	10	12	14	3	1	0	0	1.1
26	0	0	0	0	O	1	1	3	6	13	15	23	• • • •	26	37	37	12	13	2	0	o	0	0	0	8
27	0	2	0	0	0	2	2	5	19	8	30	37	41	41	44	50	54	54	47	43	43	47	49	46	28
28	45	37	25	21	22	22	19	21	29	30	30	31	31	34	32	32	32	32	28	21	19	3	0	0	25
29	4	2	3	В	8	3	3	10	23	29	34	35	33		38	36	37	34	20	7	o	2	1	1	16
30	4	1	6	2	1	1	5	10	15	20	24	31	43	50	50	54	57	61	57	48	40	20	22	19	27
MEAN	9	10	11	11	12	12	11	1.1	16	19	23	25	27	29	30	30	28	26	19	14	12	1.1	10	9	17.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT . GZONE · CHEMILUMINESCENT UNITS - PARTS/BILLION STATION . C NO 35003 ELMCREST ROAD, ETOBICORE MONTH - JUL HOUR В 24 MEAN 23 0 65 23 28 27 5 28 14 30 10 40 37 4 50 78 81 3 78 28 16 33 37 66 106 11 3 72 26 17 0 52 0 40 7 31 53 110 116 4 3 3 4 5 6 7 8 9 34 68 40 65 107 0 55 20 37 21 20 55 38 10 3 26 38 22 43 78 39 8 3 ••• 44 21 50 99 61 6 9 39 38 23 67 112 106 5 6 39 32 21 16 48 64 12 6 34 14 12 16 41 6 0 0 12 37 0 39 6 0 58 47 12 7 22 18 12 24 55 13 3 4 13 36 60 3 0 0 11 0 67 2 34 12 59 27 28 21 59 93 13 8 60 21 21 10 3 5 0 1 4 6 32 41 23 9 40 34 23 13 0 0 4 1 4 6 21 19 12 13 14 15 16 17 18 19 20 19 35 25 33 12 14 57 37 15 28 3 37 9 70 19 0 39 3 24 0 69 19 0 32 25 0 63 0 57 19 5 23 8 39 32 55 14 29 21 32 38 25 61 66 75 51 44 47 16 12 59 62 68 26 35 55 72 32 74 109 101 79 78 55 66 72 29 75 32 126 70 70 65 65 63 31 91 28 118 67 82 66 63 70 37 32 119 107 81 86 48 66 56 32 62 18 106 63 72 68 64 60 30 43 13 83 64 37 59 11 19 65 39 23 29 34 41 25 25 47 57 58 39 29 42 54 1 8 38 66 21 6 17 45 35 2 26 17 54 15 2 0 12 0 43 0 48 20 12 41 73 77 79 63 55 68 12 114 86 86 92 47 66 28 8 57 13 0 39 12 32 55 17 12 0 68 26 0 8 43 12 10 2 0 59 19 9 81 79 92 56 72 22 23 24 25 26 27 28 29 30 12 10 11 5 12 6 30 61 12 16 2 26 59 12 17 31 26 12 4 15 22 43 28 18 15 27 49 28 19 24 14 24 27 30 58 28 20 32 17 45 41 ... .... 25 35 66 20 25 59 47 24 39 45 19 21 55 25 46 36 23 45 55 19 22 50 30 43 32 9 30 44 16 12 39 23 15 21 12 23 45 29 14 21 16 24 25 30 59 8 0 1 0 27 28 23 42 52 18 22 44 27 22 26 70 28 21 17 27 57 72 26 24 29 47 57 66 23 25 37 50 62 43 77 21 25 50 48 50 59 31 6 4 20 5 16 0 17 2 0 15 0 46 5 0 14 0 26 67 12 0 0 63 14 52 12 48 4 0 0 10 MEAN 29.1

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0 0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION . C NO 35003 ELMCREST ROAD, ETOBICOKE MONTH - AUG 24 MEAN 7 3 0 2 35 33 31 5 24 8 13 22 32 8 29 50 60 66 23 39 45 17 28 18 33 19 43 48 59 28 23 39 26 12 59 59 46 53 45 21 37 20 44 49 15 18 60 1 2 0 1 3 21 6 19 45 2 0 12 0 8 34 26 3 0 15 3 12 4 30 39 3 0 14 12 31 18 40 35 26 13 18 11 3 4 5 6 7 8 9 18 59 58 26 24 34 10 27 10 57 58 15 22 24 3 14 53 54 12 18 7 28 36 54 4 11 0 3 18 26 32 3 0 13 44 43 10 19 2 0 2 34 33 23 32 27 32 33 33 27 9 11 0 17 2 0 2 0 40 43 27 25 26 34 47 45 36 31 21 48 30 3 13 8 48 21 21 20 49 14 7 6 32 24 37 40 30 12 13 14 15 16 17 18 19 8 37 26 6 45 27 13 50 28 22 1 21 15 29 23 32 57 29 24 2 26 17 29 26 34 59 30 27 3 27 20 32 28 41 61 29 30 6 28 22 43 28 43 60 30 30 4 25 22 45 58 29 32 5 25 22 21 31 48 61 28 35 6 23 17 29 30 48 62 24 36 4 22 19 29 45 62 21 34 5 15 21 17 29 31 60 15 12 4 14 8 19 23 2 36 0 30 36 0 0 39 0 1 0 7 0 13 1 21 36 0 22 48 22 14 3 14 11 15 25 0 49 4 3 0 2 0 17 29 0 30 0 0 12 2 0 12 6 1 1 9 13 7 21 12 0 9 10 0 17 14 0 17 22 23 24 25 26 27 28 29 30 20 20 23 26 21 6 23 20 25 26 26 24 43 21 24 21 26 27 27 36 43 25 37 10 2 19 19 20 19 16 7 24 26 27 34 26 50 45 19 28 24 40 41 61 49 20 19 23 43 63 64 51 21 17 14 12 6 30 19 23 27 27 34 31 63 48 19 20 11 20 42 69 67 48 21 4 12 3 17 5 59 53 17 0 16 0 53 42 14 3 15 0 2 0 54 13 30 17 0 0 50 42 14 10 12 27 28 62 52 15 21 14 0 0 54 40 3 19 20 13 16 15 30 38 17 43 16 0 0 47 41 17 0 0 39 10 37 17 1 0 0 34 30 32 13 5 0 31 29 20 14 2 3 25 15 28 2 MEAN 20.1

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

														COCOLOR COS											
	ST	ATION	- с	NO	35003		ELMCR	EST F	ROAD.	ETOBI	COKE					MON	тн -	NOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
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5	5	9	11	13	14	13	1.1	12	11	10	11	10	8	9	5	4	3	ő		2	1	0	0	0	1
6	3	3	3	3	3	4	6	4	2	3	3	2	2		0	ō	0		2	3	3	5	4	4	8
7	3	5	6	5	5	4	2	1	ō	2	2	4	5	4	4		3	0	1	0	1	1	1	3	2
8	12	13	13	13	7	8	4	3	ĭ	3	- 4	4	5			3		- 1	1	3	5	8	8	9	4
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13	16	16	16	19	19	16		16	15	15	15	17	17	16	16	14	14	13	13	14	14	14	14	14	15
14	0	o	0	0	0		16	15	15	18	19	20	19			19	13	10	5	1	0	0	0	0	13
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17	23	24	24	20	18	18	12	2	1	6	8	7	14	12	7	3	1	1	2	2	10			20	4
18	6	1	3	2	5	1.1	2	3	2	2	3	4	2	5	8	12	11	5	8	10	2	1	1	1	9
19		7	7	10	1.1	9	8	6	6	10	11	12	8	8	9	8	5	3	5	5	5	3	4	6	5
	10	1.1	11	14	13	13	8	7	7	10	13	15	18	17	16	10	7	õ			6	7	8	7	8
20	0	0	0	0	3	5	21	20	17	1.7	17	17	15	12	10	8	2	3	0	0	0	0	0	0	8
21															10	0	2	3	4	5	0	0	1	6	8
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24	0	0	0	0	0	0	0	0	0	0	1	4	10	ģ	B	10	9		0	0	0	0	0	0	3
25	9	8	7	0	5	5	0	0	2	6	8	8	8	8	7	4	2	3	7	8	9	8	11	13	5
26	0	3	4	3	9	17	15	14	14	14	15	17	17	18	18	18	17		2	2	2	1	0	0	4
27	20	20	19	18	18	19	18	16	16	21	23	24	23	12				16	1.7	17	18	19	18	18	14
28	12	7	2	0	0	0	0	1	0	- 1	2	4	7	8	8	6	4	2	8	1.1	12	14	8	12	15
29	0	0	0	0	1	0	0	ò	1	2	5	10	17		9	6	1	0	0	3	3	3	0	0	3
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MEAN	6	6	6	6	7	7	6	5	5	6	8	9	11	10	9	8	5	3	4	4	4	4	4	5	6.2

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE MONTH - DEC 77  HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  1 0 0 0 0 0 0 0 0 0 0 0 0 1 10 4 15 16 17 18 19 20  1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 10 4 0 0 0 3 10 10 10 10 10 10 10 10 10 10 10 10 10	11 11 13 10 1 6 10 15 8 1 0 0 0 0 0 1 10 12 14 16	4 13 12 11 8 17 7
HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11 13 16 17 11 11 13 10 16 6 10 15 8 1 0 0 0 0 0 1 10 12 14 16 12 13 13 11 1 3 6 5 3 11 9 9 7	4 13 12 11 8 17 7
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2 16 14 14 13 14 13 11 8 9 12 13 15 15 15 16 14 13 12 15 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11 11 13 10 1 6 10 15 8 1 0 0 0 0 0 1 10 12 14 16 12 13 13 11 1 3 6 5 3 11 9 9 7	13 12 11 8 17 7
2 16 14 14 13 14 13 11 8 9 12 13 15 15 15 16 14 13 12 15 15 16 14 13 12 15 15 15 16 14 13 12 15 15 15 16 14 13 12 15 15 15 16 14 14 14 19 0 0 3 15 10 10 14 12 9 9 15 23 19 25 26 22 20 17 12 5 0 0 6 23 21 23 23 23 23 20 15 13 17 17 0 9 8 9 11 10 11 13 12 14	11 11 13 10 1 6 10 15 8 1 0 0 0 0 0 1 10 12 14 16 12 13 13 11 1 3 6 5 3 11 9 9 7	13 12 11 8 17 7
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23 21 23 23 23 23 20 15 12 17 20 2 3 1 10 11 13 12 14	0 0 0 0 1 10 12 14 16 12 13 13 11 1 3 6 5 3 11 9 9 7	11 8 17 7 3
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MEAN 7 7 7 8 9 10 7 5 5 7 10 12 14 13 11 12 0	7 7 8 7 0	4

PERCENTAGE OF DATA VALID - 38.0 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 61.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

	ST	ATION	- с	NO	35033		FVANS	/ADN/	DLD AV		0010	w.E													
HOUR							LUANS	/ MAIN	JLU AV	E, E1	OBIC	)K E				MON	TH -	JAN	77						
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2	4	6	3	1	5	22	21	16	20	18	20	20		16	18	15	6	2	5	5	4	6	2	1	
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11	15	15	14	5	1	2				7	8	11	12	12	11	6	5								
12	1	1	1	4	5	3	1	1	1	3	4	6	6	7	7	4	3	4	4	6	7	5	1	1	- 5
13	4	4	4	4	4	3	1	1	1	4	7	9	11	É	8	4	3	~	,	1	1	3	5	4	
14	0	0	0	0	0	0	0	0	0	1	1	3	4	4	4	3	4	0	0	0	7	7	8	2	
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16	5	6	8	10	11	1.1	10	1.1	1 1	12	13	15	15	13	12	9	7	6	4	3	4	5	6	1	
17	1	0	7	13	10	8	4	5	5	6	8	11	10	9	9	7	ź	9	6	2	3	3	4	2	
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23	0	0	0	0	0	0	••••		2	6	13	18	15	13	11	5	7	ő	9	1	0	2	0	0	E
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26	0	0	0	0	0	0	0	0	1	2	4	5	6	4	5	4	ō	,	4	- 1	- 2	2		2	1
27	20	20	8	15	12	13	4	2	4	8	17	15	14	8	8	10	7	10	12	13	16	13	7	16	2
28	6	6	19	20	20	18	13	7	10	15	13	14	20	20	18	14	8	В	8	3	3	4	4	6	10
29	11	10		8	8	0	6	8	6	4	8	6	20	27	23	20	18	8	6	13	13	15	17	16	11
30	10	9	8	12	12	11	11	11	13	14	15	16	15	15	16	14	13	9	8	10	11	12	13	9	12
		9	5	,	8		4	8	13	18	20	20	••••	18	18	15	16	15	16	17	15	15	16	16	13
31	18	17	16	15	13	12	9	6	6	8	11	12	13	12	14	1.1	7	5	4	4	6	4	7	9	10
MEAN	4	5	5	6	6	6	5	5	5	7	8	10	10	10	9	7	5	3	4		4	5	5	4	5.9

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE.

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	OZON	E-CHEM	I LUMI	NESCE	NT						UNIF	S - P)	ARTS/	911110								
	51	ATION	- c	NO	35033		EVANS	/ARNO	LD AV	E. ET	OBIC	OKE					1TH -		77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	13 1 6 1 7 1 4 0	15 1 6 4 11 2 7 3	13 1 3 7 12 4 13 2	16 4 4 12 15 5	15 12 8 14 19 7 10	11 11 8 6 17 6 8	5 2 4 3 11 6 7	1 2 2 1 8 5 3	3 2 2 1 11 8 4	6 5 4 10 11 6 3	8 12 10 9 11 15 8	10	7 11 6 18 13 15 12	7 8 6 17 12	8 15 11 11	1 17 8 9 11 11	1 15 5 5 8 7	1 11 3 4 6 6	1 2 4 1 4 5	1 4 6 1 6 5	1 6 1 2 7 5	2 4 4 1 5 7	4 7 4 3 1 5	1 8 3 6 1 4	6 7 5 7 10 7
10	6	1 1	1	9	9	0	9	0	0	6 <b>4</b>	5	11	13	13	17	15 11 15	12 8 9	8 1 5	14 0 7	17 0 11	16 0 14	0 20	24 0 2	20 0 2	10 7 5
12 13 14 15 16 17 18 19	0 14 14 5 6 8 4 1	0 10 17 13 8 13 6 1	0 4 19 17 8 13 8	0 11 20 17 6 9 10 1	6 0 13 19 18 4 11 11	13 0 11 16 17 4 13 4	15 0 10 6 8 3 6 1	8 0 11 2 3 1 1 1 2 8	6 1 11 2 5 1 1 2 4	12 4 11 7 6 4 4 8 8	17 8 10 11 8 8 10 8 11 15	7 11 11 9 11 18 8 13	10	6 11 11 11 24 6 12	6 8 13 10 11 10 25	3 11 8 9 8 10 27 4 8	1 13 8 6 8 7 22 4 6	1 13 10 4 6 5 16 2 6	0 12 6 3 6 8 1 6	0 13 6 3 4 6 3 1	0 16 7 2 6 9 4	0 15 9 9 9	0 20 11 3 8 12 3 4	0 19 10 3 9 8 7 2	5 8 10 9 7 11 5
21 22 23 24 25 26 27 28	11 15 1 22 7 14 7	17 8 1 21 15 14 8 23	15 7 1 14 12 18 10 24	16 6 3 13 12 24 19 21	18 8 7 8 14 24 25 19	20 10 16 7 12 24 29 14	12 3 22 4 9 12 26 3	4 2 20 2 8 8 16 2	6 3 11 2 9 10 10	10 4 9 2 11 10 2	13 8 9 2 11 15 1	12 12 2 9 16 1	15 15 9 3 8 16	15 15 8 3	16 15 7	12 10 8 8 12 10	9 4 8 10 5 10	9 1 11 8 5 7 15 6	8 6 1 20 4 6 6 10	8 7 1 15 7 8 6 15	8 1 16 6 10 14 12	8 7 1 17 7 7 23 17	7 10 1 17 12 15 20 21	8 1 21 13 9 24 16 9	10 11 6 11 8 10 15 13 12
me an	,	9	9	10	11	11	7	4	5	7	9	11	12	1.1	12	10	8	6	6	6	7	7	В	В	0.2

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNIIS - PARTS/BILLION

	51	ATION	- 0	NO.	35033		·									, ,									
					22023		EVAN	/ARNO	DLD AV	E. E	OBICO	OKE				MON	TH .	MAY	77						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	12	15	0			1.0																	
2	35	42	30	29	26	11	- 1	8	17	37	38	42	44	46	54	58	57	53	44	20	2.2	12021			
3	8	18	19	17	10		1	1	1	8	9	12	17	16	12	11	9	10	10	41	43	42	21	19	29
4	0	1	1			2	3	13	18	24	24	24	24	24	26	26	24	26		10	2	1		4	13
5	1	i	2	3	1	- 1	1	6	3.1	1.2	13	1.5	19	18	19	11	6	6	20	16	17	6	0	0	16
6	0	ò	ő		2	1	1	4	6	8	7	8	6	6	8	8	4		3	1	1.	1.	1	1	6
7	10	11	12	0	0	0	3	3	4	19	19	17	19	19	18	13	14	10	8	6	2	0	0	0	4
8	a	- 1	1.2	15	15	13	12	14	15	16	18	25	21	21	21	19	17	15	14	12	10	8	3	4	9
9	20		- 1	6	10	19	20	25	26	26	27	18		25	17	15		15	14	12	12	10	2	0	14
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11	12	2.0	102.17											15	15	13	14	13	12	10	4	6	6	8	12
12	12	16	21	21	14	0	1	3	5	13	15	21	26	26	2.5		10/01							-	
13		0	0	0	1	0	0	2	2	12	21	20	12	10	26	28	36	39	29	16	1	0	0	0	15
14	18	31	30	31	30	8	4	5	8	10	10	15	11	6	11	12	14	16	17	8	1	1	3	12	7
15	7	10	18	18	15	9	8	8	17	24	26	27	30		2	5	5	3	1	2	1	3	3	3	10
16	7	5	10	10	13	8	8	12	21	32	35	35	36	30	30	35	30	16	15	10	8	4	6	8	17
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	0	4	1	0	0	0	1	6	21	31	44			41	42	33	36	38	46	19	8	8	7	9	
18	44	46	42	42	31	21	11	9	17	19	28	52 34	55	53	47	29	37	62	51	15	10	11	29	35	16
19	18	19	18	15	4	5	3	3	8	14	20		40	30	19	16	18	21	19	20	21	22	22	19	25
20	0	0	8	9	7	0	0	3		3	19	35	57	66	70	82	92	80	73	43	28	6	3		25
Own.	100						-	**		3	19	30	34	31	36	35	44	50	55	30	10	8	4	0	32
21	3	9	21	16	0	0	1	17	57	28	20									00	.0		**	U	18
22	O	0	10	1.9	41	51	27	30	39		39	60	65	73	73	63	75	91	94	94	63	53	47		
23	33	36	22	16	7	26	24	21	46	48	51	61	69	71	85	83	83	79	76	78	80	73	47	1	43
24	10	8	20	6	1	1	3	7	19		47	17	19	43	48	63	64	59	53	39	19	37		43	52
25	0	0	0	0	1	1	5	7	10	25 12	33	45	44	30	5	6	4	1	3	4	3	4	13	15	34
26	13	13	10	8	2	1	,	á			14	14	15	13	12	10	8	8	7	6	4			1	12
27	5	6	9	10	9	- 1	2	3	12	19	19	19	18	21	21	23	29	43	64	53	17	5	6	11	7
28	0	1	3	1	1	2	6	18	6	15	17	29	37	48	60	66	65	50	19	3	17		3	2	17
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							2	3	21	25	29	34	35	48	49	50	49	45	42	43	6		0	0	29
31	0	0	0	0	0	0	15	28	20	20								-		43	35	1	7	1	22
			1000		-		. 5	20	28	30	26	53	56	78	67	65	66	67	65	64	69	31		10.00	
MEAN	10	1.1	13	12	10	7	7	10	18											0.4	69	31	16	11	35
							150	10	18	21	25	29	31	33	33	32	33	33	31	24	17	13	10		
0.000000																				50.0	2.2	13	10	9	19.6

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0 NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTAN	Τ.	OZONE	- CHEM	ILUMI	NESCE	NT						UNIT	S - P/	LRTS/E	11110								
	51	ATION	- c	NO	35033		EVANS	/ARNO	LD AV	E. E.	TOBICO	K F													
HOUR	9	•		- 13												MON	ITH -	JUN	77						
DAY		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	17	22	48	53	48	27	22	22	25	27			100.00	-										
2	10	12	28	35	31	12	-4	6	9	25	3	26	30	35	35	29	27	26	26	28	11	î	1	6	200
3	0	0	0	0	0	0	1	3	8	12		4	5	4	3	3	4	7	В	8	3	ò	o	ő	26
4	0	0	0	0	1	1	6	12	20	26	13	19	26	26	25	25	28	29	24	13	4	3	ő	ő	. 8
5	4	12	40	50	49	45	33	32	23		43	57	60	46	32	26	56	62	57	33	30	42	23	1	11
6	17	19	20	8	2	1	1	0		18	18	19	25	22	28	34	43	37	26	В	6	6	5	11	26
7	15	14	15	15	19	10	3	5	.0	. 1		3	7	7	9	9	7	7	8	7	6	5	6		25
В	4	14	8	В	3	1	1		1.1	12	12	14	12	12	10	9	9	10	11	10	3	3	6	11	7
9	2	5	15	15	11	3		3	10	12	• • • •	18	22	19	24	21	17	14	8	9	8	3	1	6	10
10	1.1	10	13	12	6	2	2	2	4	14	20	15	14	14	12	9	9	В	В	6				0	10
				1.0	0	2	-1	1	6	9	10	13	14	12	30	42	37	39	42	29	6	8	9	11	9
1.1	9	9	12	14	16		- 2											33	42	29	3	6	3	4	15
12	20	30	48	48	42	8 36	6	9	15	16	23	26	35	53	53	49	49	48	28	10			-		
13	3	3	3	3	42		30	21	16	14	13	13	22	32	32	37	27	26	7		21	30	38	26	25
14	o	ō	0	1	,	1	1	3	14	17	19	24	25	22	19	15	11	8	12	5	. 1	2	3	3	22
15	19	21	25	19		0	1	7	15	20	26	31	24	22	27	26	30	15	12	14	1 1	8	1	0	10
16	1	0	0	7	10	3	1	2	18	27	37	26	30	34	38	39	39	30		5	5	9	10	10	12
17	2	6	12		6	1	1	12	15	17	28	39	40	48	42	37	48	54	24	9	7	1	0	0	19
18	17	22	22	26	26	6	5	17	25	32	36	33	28	27	26	21	20	24	55	51	39	41	35	15	26
19	9			1.7	22	12	12	13	22	18	17	22	29	37	41	49	57	57	15	8	1	0	0	10	17
20	3	21	27	26	26	21	19	22	25	23	24	21	23	20	20	18	15		29	20	12	14	17	8	24
20	3	2	3	2	0	1	1	2	3	3	4	13	26	28	31	10	9	16	9		3	2	2	1	17
21	1	2	10	6		-						2.00		2.0	31		9	10	9	10	7	2	1	0	8
22	В	14	15	12	6	2	1	5	6	10	10	14	14	13	12	6	8	8	8	-		-		200	
23	ō	o	2	1		1	2	3	7	10	13	14	14	31	48	32	9	26	39	5		0	0	5	6
24	o	Õ	ő	o	0	0	1	3	12	23	29	33	30			20	23	26		29	24	19	O	0	16
25	6	17	33	38		О	1	8	9	10	15	26	28	36	44	61	65	66	28 35	29	22	10	6	0	14
26	6	9	15	17	35	18	16	16	22	35	38	44	49	52	42	28	21	16	35	31	13	14	12	0	20
27	ŏ	0			21	20	18	17	15	15	19	21	26	28	36	59	60	57		4	4	8	3	6	23
28	46	8	0	0	0	0	1	9	21	30	49	56	61	48	42	44	47		55	28	16	6	0	0	24
29	43	32	9	38	27	1	10	23	28	31	27			38	44	48	54	45	40	36	34	36	51	46	29
30	3	32	32	33	27	5	9	14	14	13	10	8	12	7	3	3	3	62	57	53	64	61	43	37	36
30	3	2	3	3	0	0	1	5	9	15	24	26	37	28	31	32	27	7 27	7 23	8 21	6	5	1	2	13
MEAN	10	10	1.4	1.7	15	9	7	1 C	14	17	21	23	26	28	29	28	29	29	24	18	24 13	40 13	10	7	17 17.5
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PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION . C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE MONTH - SEP 77 HOUR 7 8 9 10 11 12 13 14 16 17 18 19 20 21 22 23 24 MEAN 2 14 5 12 0 15 4 1 0 4 15 0 3 0 15 12 0 6 13 20 ... 9 2 21 13 10 13 48 18 12 17 23 44 16 14 51 18 11 18 24 48 15 13 44 19 8 18 24 46 7 17 13 45 15 5 19 24 45 13 8 48 11 2 19 17 48 3 3 4 5 6 7 8 9 7 5 17 3 1 17 18 28 6 22 13 6 11 14 26 9 18 13 13 19 23 14 44 17 15 15 21 31 7 27 17 12 11 12 22 52 13 4 19 25 47 3 24 18 10 10 5 0 7 0 0 0 10 17 7 7 0 0 0 9 7 12 13 14 15 16 17 18 19 20 0 22 1 0 10 0 0 1 9 0 21 0 0 11 0 0 4 8 0 22 1 0 9 0 0 12 4 0 25 5 0 6 0 2 14 4 0 10 2 5 1 8 12 7 3 14 6 13 2 17 6 9 28 15 9 17 4 17 11 18 32 14 7 17 3 20 15 8 27 13 7 17 2 19 19 21 8 4 16 1 15 20 23 9 4 17 0 16 9 0 33 14 2 23 0 0 0 27 5 30 8 0 24 0 0 0 27 6 18 0 0 26 0 0 5 0 0 23 0 0 12 13 3 6 6 11 4 19 4 0 10 0 4 4 8 10 0 11 1 4 9 9 17 4 18 11 17 0 4 20 0 7 3 16 8 14 0 1 6 1 7 1 2 22 23 24 25 26 27 28 29 9 17 6 14 15 3 0 10 2 8 9 11 7 2 1 1 7 3 5 10 5 3 6 3 4 4 8 4 13 6 5 4 8 8 10 7 4 6 14 10 4 5 15 12 0 4 10 9 0 4 5 11 7 0 0 5 11 5 0 0 0 4 8 6 11 10 7 10 7 6 3 15 2 0 8.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PQ	LLUTA	NT - 1	OZONE	-CHEM	ILUMI	NESCE	NT						UNITS	- PA	RTS/E	BILLIO	N							
	ST	ATION	- с	NO	35033		EVANS	/ARNOL	D AV	E, E	TOBICO	KE				MON	тн -	QCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0 5 6 7 0 3 0 16 17 15	2 7 8 11 0 4 0 19 20 15	5 9 9 13 0 5 0 19 22 13	6 11 9 11 2 5 3 17 19	3 10 5 5 3 0 2 15 15	3 7 0 0 0 1 12 6	2 5 0 0 0 1 10 7 5	1 6 2 2 2 0 0 7 6	0 5 5 6 2 1 1 6 6 12	0 5 10 6 4 4  9 9	0 6 9 3 6 11 11	0 6 9 8 4 5 14 15	0 5 10 8 10 5 16 13	2 8 7 26 4 17 17 6	2 7 6 14 3 11 18 5 21	2 5 6 4 10 3 11 21 5	2 3 4 4 11 2 10 20 3	1 0 3 1 11 0 11 21 5	3 0 4 0 8 0 17 19 4	4 0 3 0 9 0 19 19 3	5 0 3 0 7 0 21 21 5	6 0 0 0 4 0 22 22 4	6 0 0 0 2 0 19 19	6 3 2 0 2 0 17 22 8	3 5 5 5 5 6 2 10 16 9
11 12 13 14 15 16 17 18 19 20	0704055152011	0 8 0 2 0 10 14 0 0 9	4 12 0 1 0 9 14 0 9	13 6 0 0 13 13 0 8	6 0 0 15 11 0 0	4 3 0 0 0 0 13 5 0 0 0	3 0 0 0 12 1 0 0	5 3 0 0 0 12 3 4 0	9 5 0 1 11 7 7 0 2	9 8 3 0 8 10 7 8 0 6	8 6 7 2 4 9 8 10 1 5	10 12 13 10 8 7 10 3	8 7 14 8 21 7  9	10 7 8 14 37 7 7 12 7	10 7 7 11 40 8 5 10 5	11 5 7 11 35 6 4 15 3	4 3 13 7 24 8 4 7 2	5 7 6 4 6 0 10 4 0	6 2 5 6 1 7 0 5 4 0	7 0 3 2 1 8 0 2 4 0	7 0 3 3 1 10 0 4 0	6030490020	9 0 4 0 11 10 0 0 2 0	7 0 7 0 12 12 0 0 5	7 4 4 4 9 9 5 5 2 4
21 22 23 24 25 26 27 28 29 30	011200000000	0 21 0 0 0 0 0 0 0 0 0 0	0 18 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 11 0 0	0 10 0 0 0 7 0 0	050000000	020000000	0 3 2 0 0 0 0 0	4 7 7 0 0 0 0 0 1	8 11 2 2 4 1 3 5	8 9 12 5 2 4  4 14	17 10 17 9 4 9 16 11 16 21	21 11 19 9 7 9 24 12 16 22	25 10 22 12  6 25 11 18 23	23 10 22 11 6 2 25 10 18 24	17 9 21 5 5 1 19 12 15 23	21 7 21 2 7 1 13 12 11 22	21 6 10 2 9 0 6 8 1	10 3 0 4 7 0 0 1	11 3 0 2 0 0 0 0	19 2000000000000000000000000000000000000	24 0 0 0 0 0 0 0 0 0 1	9000203004	4 2 0 0 1 0 4 0 0 5	10 8 7 3 2 1 6 5 5
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PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LE\_S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT . OZONE - CHEMILUMINE SCENT

UNITS - PARTS/BILLION

STATION - C N	O 35033 EVANS/ARN	OLD AVE. ETOBICOKE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	5.9	13	27
FEB	28	8.3	15	29
MAR	31	11.9	22	55
APR	30	13.5	23	53
MAY	31	19.6	52	94
JUN	30	17.5	36	66
JUL	31	20.7	42	111
AUG	31	14.8	37	59
SEP	30	B.2	26	52
OCT	31	6.0	16	40
NOV	30	4.2	1.1	19
DEC	.31	4.3	13	19
YEAR	365	11.3	52	111

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - 0	ZONE - CHEMI	LUMINESCI	ENT			UNITS - P	ARTS/BILLI	ON	
STATION - C	NO 35033	EVA	NS/ARNOLD	AVE, ETOBI	COKE				
MONTH O	O TO 10 1	1 10 20	21 TO 30	31 TO 50	51 TO 80	8170100	10170150	151&0VER	TOTAL
JAN	572	158	4	0	0	0	0	0	734
FEB	433	205	23	0	0	0	o	o	661
MAR	384	210	104	30	5	0	٥	o	733
APR	368	166	103	74	5	0	٥	o	716
MAY	306	174	87	113	53	8	0	О	741
JUN	310	141	131	103	30	0	0	o	715
JUL	306	127	108	123	62	5	2	o	733
AUG	375	138	115	93	19	0	0	0	740
SEP	501	144	41	24	2	0	0	o	712
OCT	581	118	33	3	0	0	0	0	735
NOV	630	79	0	0	0	0	0	0	709
DEC	634	105	0	0	0	0	0	o	739
YEAR	5400	1765	749	563	176	13	2	О	8668

FREQU	ENCY DISTRIBUT	ION BY P	ERCENTILES	S								
	PERCENT					CONCEN	TRATIONS	i				
	OF DATA				FREQUEN	CY DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	09 n	•	2.0	2 2	6 7		27 0	20.3	FO 0	6	100000	

UNITS - PARTS/BILLION POLLUTANT - OZONE-CHEMILUMINESCENT MONTH - JAN 77 1298 REBECCA ST OAKVILLE C NO 44010 STATION -24 MEAN 13 14 HOUR DAY 19 10 24 19 17 9 12 27 13 22 26 14 21 9 23 11 24 25 10 20 9 25 10 18 23 17 19 8 0 3 0 16 6 6 5 10 4 6 13 11 2 18 5 15 3 4 2 1 6 6 8 7 19 15 6 15 10 7 DATA 8 2 0 6 7 0 14 6 0 11 11 10 0 12 8 16 8 6 4 0 0 12 14 4 0 12 13 12 13 14 15 16 17 18 19 20 8 4 12 2 11 16 12 4 12 17 10 9 8 4 0 8 1 0 13 0 0 1 3 4 2 15 INVALID -9 6 18 8 17 15 19 13 17 15 3 14 6 2 16 6 0 3 8 0 10 16 7 22 23 24 25 26 27 28 29 12 12 11 0 12 8 6 15 3 21 0 13 24 15 15 22 17 12 

PERCENTAGE OF DATA VALID - 80.1

MEAN

9 7 7 10 13 16 17 17
PERCENTAGE OF DATA INVALID - 19.1

PERCENTAGE OF DATA UNAVAILABLE - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

12 \*\*\*\*

2 2 2 3

17 \*\*\*\*\*

7 10.0

6 14

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-" INDICATES DATA IS UNAVAILABLE

9 10 10

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

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### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - PARTS/BILLION POLLUTANT - OZONE-CHEMILUMINESCENT 1298 REBECCA ST OAKVILLE MONTH - FEB 77 STATION - C NO 44010 24 MEAN 12 13 HOUR DAY 15 16 15 23 21 12 20 17 17 17 23 23 23 19 17 14 27 20 29 24 26 12 17 10 22 15 12 11 15 17 18 10 19 12 14 19 10 20 19 21 14 19 11 19 10 7 18 11 25 23 23 8 11 21 12 6 17 ... 25 26 20 10 25 28 26 27 19 .... 26 12 14 18 20 16 14 7 26 14 22 25 26 29 4 23 17 19 19 17 23 2 15 23 11 15 21 22 19 12 15 21 23 26 25 9 21 26 22 12 24 24 26 29 10 21 17 14 12 13 14 15 16 17 18 17 19 23 23 28 17 18 5 12 21 19 5 18 21 20 12 19 20 18 4 11 12 22 25 25 26 12 23 24 26 28 10 25 21 21 19 12 17 14 16 7 5 4 13 25 24 24 24 7 8 19 6 14 17 19 13 14 15 10 6 5 2 8 16 15 10 16 19 5 14 0 15 25 23 13 32 22 23 24 25 14 15 17 19 25 15 13 22 17 23 12 28 18 30 25 36 13 17 31 26 26 21 17 14 21 26 37 12 34 26 13 23 28 15 27 30 .... В 16.3 MEAN 

PERCENTAGE OF DATA VALID - 92.3 PERCENTAGE OF DATA INVALID - 7.7

NOTES 1. "\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 44010 1298 REBECCA ST OAKVILLE MONTH - MAR 77 HOUR DAY 12 13 24 MEAN 24 1 23 37 14 19 11 6 15 32 33 35 17 23 5 17 14 32 28 1 34 13 26 11 13 23 33 21 0 24 12 26 15 10 23 28 17 0 21 14 28 11 9 21 26 13 0 21 16 28 3 2 19 16 3 22 14 28 7 6 21 20 10 21 14 28 10 13 29 23 28 21 22 17 25 27 21 33 37 22 14 22 ... 24 16 21 14 26 23 20 30 30 23 23 13 22 28 28 33 50 30 31 23 14 24 19 26 30 22 30 19 8 17 17 17 25 32 7 33 6 14 21 6 21 9 4 35 4 12 12 26 6 22 3 2 34 8 13 13 17 8 34 3 8 32 11 18 8 14 16 36 3 6 32 14 21 5 9 22 32 2 32 12 20 10 9 20 38 2 20 17 21 14 21 16 15 27 26 4 5 6 7 8 9 26 25 16 24 27 26 42 55 25 24 14 28 24 28 45 55 13 26 16 18 22 28 14 26 7 10 21 34 12 13 14 15 16 17 18 19 20 30 25 8 0 19 26 49 26 10 0 21 28 29 16 23 45 16 8 0 14 23 39 21 24 19 20 27 57 27 6 0 18 24 24 14 12 12 6 15 40 12 20 12 19 25 39 26 27 23 22 27 37 30 28 21 23 28 39 32 18 26 29 30 34 26 40 32 28 24 26 30 20 35 41 32 28 29 26 30 8 36 39 34 28 31 28 31 12 37 21 31 32 25 30 14 38 26 5 18 8 31 22 20 17 22 27 38 21 12 15 21 23 19 20 21 2 3 1 32 23 25 17 10 28 7 3 1 31 26 17 20 3 34 2 17 26 1 20 1 28 33 2 3 16 23 0 21 0 28 28 5 0 21 23 0 11 0 27 28 3 0 12 22 10 4 28 10 0 2 24 20 5 26 6 0 23 27 26 17 0 26 4 0 23 29 27 20 8 30 28 30 28 28 27 23 30 30 33 30 29 26 35 22 23 24 25 26 27 28 29 30 2 28 18 26 29 27 19 19 0 18 30 19 24 13 0 32 43 8 30 26 12 0 34 11 3 56 3 30 23 6 0 26 12 2 84 12 30 21 67 13 28 22 8 1 24 19 26 20 28 23 17 17 23 20 30 17 28 30 31 30 28 12 25 28 26 28 21 23 21 34 7 28 28 29 22 26 22 34 6 29 29 29 26 26 23 35 24 33 30 33 29 36 26 26 34 29 31 30 32 25 37 26 33 28 31 30 34 26 38 56 25 26 28 31 33 5 36 26 24 20 27 34 19 30 . 27 . . . . 28 24 27 23 19 21 23 23 25 15 6 39 24 27 26 30 22 17 3 37 22 30 43 26 30 10 20 4 29 14 26 44 16 10 38 24 25 43 18 33 22 26 48 19 1 10 6 20 9 19 17 2 MEAN 22.7

PERCENTAGE OF DATA VALID - 96.6 PERCENTAGE OF DATA INVALID - 3.2 NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

PERCENTAGE OF DATA UNAVAILABLE - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 18.2

	PO	LLUTA	INT -	OZONE	-CHEM	LUMI	NESCE	NT					L	JNITS	. PA	RTS/B	11110	H							
	ST	401 TA		C NO	44010		1298	REBECO	A ST	OAK	ILLE					MON	тн -	APR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	23	23	19	17	10	8	10	17	29	26	30	31	31	33	32	33	34	33	32	30	21	31	31	26
2	30	30	28	18	12	11	11	14	14	16	17	19	21	22	12	1	26	20	1	0	7	11	22	30	16
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5 6	27	27	28	28	27	26	26	20	21	25	27	28	30	30	31	32	33	33	30	26	17	12	11	10	25
7	23	21	16	14	1.1	8	1	4	15	29	30	32	30	24	21	21	21	14	11	12	19	22	30	29	19
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17	10	7	6	5	14	18	21	27	36	44	47	50	55	56	60	63	63	62	57	28	9	8	39	6	33
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21	26	8	18	28	41	43	46	39	47	52	55	59	57	61	63	61	48	37	26	20	0	46	19	28	39
22	24	22	30	38	30	34	23	23	18	16	13	12	12	7	3	3	6	7	7	5	8	6	21	26	16
23	26	25	26	29	28	29	20	19	27	23	22	23	24	25	26	28	28	26	25	25	21	10	14	6	23
24	7	0	4	4	12	20	20	19	17	17	26	27	28	26	21	25	27	26	24	23	0	10	15	11	17
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PERCENTAGE OF DATA INVALID - 2.5 NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- .. INDICATES DATA IS UNAVAILABLE 2.

PERCENTAGE OF DATA VALID - 79.3

3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 44010 1298 REBECCA ST CARVILLE MONTH - JUL 77 HOUR 24 MEAN 28 0 60 28 27 0 65 57 41 13 0 32 0 50 35 55 22 0 1 20 33 13 33 24 49 24 37 26 45 36 28 24 4 13 36 39 57 45 4 43 45 67 48 21 24 10 41 28 0 71 62 49 18 0 0 43 86 118 86 12 16 64 64 66 34 45 81 111 103 20 7 83 53 33 4 5 6 7 8 9 45 70 88 105 18 10 88 37 32 45 60 75 107 20 11 96 33 46 58 79 117 29 32 90 30 29 42 50 71 114 28 28 65 27 29 32 18 64 23 47 66 58 21 24 20 52 30 62 15 44 54 72 27 25 14 12 26 45 62 93 26 0 53 60 83 24 0 14 33 31 37 65 68 33 19 25 24 47 64 97 23 27 20 22 29 37 73 21 62 92 26 0 28 62 22 0 64 20 0 14 12 25 40 64 33 29 25 12 13 14 15 16 17 18 19 20 35 35 6 25 41 54 18 2 43 36 5 16 11 47 15 3 47 24 1 34 4 42 12 24 13 39 16 1 48 5 40 4 26 16 2 20 4 32 3 26 35 32 53 54 38 54 52 69 39 35 46 67 51 50 71 55 68 53 39 56 76 60 77 43 72 59 41 55 113 98 67 84 39 75 63 41 55 116 111 70 86 57 80 63 40 85 122 107 67 94 58 78 56 37 97 119 106 61 94 65 75 57 77 83 84 49 94 70 75 52 37 71 52 81 43 80 69 77 31 1 31 7 21 36 51 17 0 4 33 6 30 0 45 53 33 40 22 77 52 53 62 67 49 26 33 11 59 43 37 31 48 37 14 37 39 47 14 10 5 30 0 12 55 43 32 3 16 45 45 7 24 41 28 33 54 52 41 44 32 48 31 37 35 31 33 47 61 6 24 21 30 18 28 47 57 42 1 24 1 0 54 22 23 24 25 26 27 28 29 18 11 26 61 18 9 18 12 33 58 16 17 8 33 52 12 11 18 41 34 18 7 14 3 26 23 45 35 23 19 22 22 33 35 64 33 25 40 28 54 31 29 54 35 24 32 23 34 35 70 31 26 33 52 41 43 75 30 28 33 46 52 37 71 28 28 33 44 58 75 58 32 54 26 31 37 50 45 49 33 63 25 31 56 50 92 26 41 62 26 26 51 52 58 25 41 59 26 62 51 48 105 17 33 54 20 24 58 52 40 96 4 46 14 16 53 45 43 75 0 10 40 12 7 28 20 41 20 48 10 4 5 0 7 22 24 50 32 18 26 24 25 10 34 56 14 10 39 63 16 5 32 60 17 7 10 38 28 10 39 8 3 55 12 3 MEAN 35.5

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# CNTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS . PARTS/BILLION STATION - C NO 44010 1298 REBECCA ST OAKVILLE MONTH - AUG 24 MEAN 6 23 41 5 24 37 65 30 8 42 22 24 16 33 50 30 10 33 18 23 9 6 27 25 26 17 25 5 4 25 16 34 38 30 26 35 10 30 31 47 42 31 29 38 26 15 37 65 64 45 28 31 39 34 33 58 86 70 54 48 38 26 41 28 60 84 68 54 53 38 31 41 32 69 80 62 54 59 39 37 42 44 70 65 64 59 67 39 37 34 71 52 66 69 77 39 45 33 51 31 20 46 71 40 64 77 69 42 38 31 48 71 24 39 69 26 38 20 25 41 65 22 12 57 10 19 23 28 60 26 4 77 5 3 13 24 32 54 26 10 60 1 0 15 23 35 46 22 15 56 4 3 20 24 22 23 45 47 40 7 45 24 35 16 31 5 22 39 37 42 49 36 22 30 25 33 52 70 56 43 32 29 46 67 45 37 38 39 28 29 4 26 8 19 3 43 5 44 28 25 18 33 33 5 0 12 13 14 15 16 17 18 19 20 31 34 5 29 46 29 12 14 28 19 17 10 32 34 3 28 21 10 3 22 41 30 9 17 28 16 7 34 54 29 20 29 20 29 26 37 56 32 20 36 31 23 47 41 57 33 45 25 31 24 42 29 43 54 31 54 25 31 26 45 33 47 50 31 59 22 29 29 50 37 52 60 30 68 23 29 24 52 38 52 64 28 64 34 28 24 47 9 46 51 62 26 64 38 22 23 34 41 41 56 21 67 21 23 14 31 15 53 54 4 15 3 26 24 34 37 1 0 5 40 32 2 0 11 15 1 9 28 6 35 7 29 0 5 18 29 0 0 21 29 1 0 1 16 2 22 0 27 42 25 24 14 20 14 22 23 36 28 2 0 27 21 11 0 18 14 7 1 14 3 18 0 23 7 0 24 4 16 22 23 24 25 26 27 28 29 30 27 47 16 1 0 0 33 25 0 31 21 16 6 0 0 31 19 7 33 24 14 33 28 13 5 0 31 22 10 3 0 18 7 1 7 5 3 24 10 18 12 7 10 18 5 27 13 18 19 22 14 15 20 23 35 14 22 20 24 16 22 22 34 39 18 27 20 24 23 33 24 40 45 24 28 32 30 38 57 26 33 33 48 68 54 31 55 27 29 32 36 52 67 53 20 36 27 30 31 39 54 73 54 18 32 26 26 29 42 55 73 49 25 43 28 51 57 69 52 21 40 16 24 20 56 60 64 62 15 5 5 12 54 48 58 53 19 37 7 7 2 3 0 55 27 12 10 2 0 0 48 20 7 29 16 3 0 0 28 31 0 7 5 31 15 58 34 18 27 33 11 1 0 0 35 21 22 21 16 20 22 35 37 16 5 MEAN 26.6

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS . PARTS/BILLION

														9111	3 · P	ARIS/	BILL	ON							
		TATION	•	C NO	44010		1298	REBE	CCA S	T OA	KVILLE					MO	NTH -	NOV	77						
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2	0		0	6	7	0	0	0	5	16		21	24	26							11	16	4	0	18
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5	17	22	21	22	24	25	26	26	26	26	26	25		8							8	8	1	0	3
6	21	21	20	19	18	17	16	14	13	11			25	26					28	27	27	26	25		
7	10		12	13	13	12	15	13	11		1.1	9	10	В			18	17	15	17	16	8	9		
8	19		20	20	21	21	21			11	12	15	16	15		13	13	14	16	18	18	18	18		14
9	17		17	18				21	21	20	21	21	21	20	21	22	22	22	23		22	22	19		
10	8	7	4	4	19	18	16	13	13	13	14	15	17	17	15	16	15				20	21	18		
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13	14	18			22	21	21	19	19	21	20	20	21	20	20	19	17	17	15	16	16		19		13
14	0	10.00	22	22	21	21	18	15	19	22	23	23	24	24	24	22	16	9	3	0		15		11	18
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		28	25	20	24	21	22	19	17	19	20	18	20	17	16	10	7	6	12	15	16	16	22	26	10
17	0	0	0	0	6	10	5	5	2	1	4	5	5	6	13	12	12	8		5	3	3	5	1	15
18	. 1	2	9	12	10	10	6	4	6	8	12	14	****	13	12	12	10		5	8	3	2	3	3	5
19	14	14	1.4	1.4	12	12	11	7	9	10	10	14	19	23	26			6	6	7	10	12	13	12	9
20		****		В	25	28	22	20	19	20	19	19	18	18	18	20	16	4	7	4	0	0	D	0	11
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23	22	25	20	22	22	19	16	15	13	10	2	ō						0	9	19	22	19	11	16	1.1
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26	2	3	5	1.1	9	15	21	21	21	21	22	22	22	23	25		19	15	11	5	0	0	0	0	13
27	22	22	24	25	26	27	28	27	23	22	22	23	24	20		26	26	25	23	23	23	25	25	25	19
28	20	19	18	3	4	2	2	0	- 1	6	7	8	7		21	24	27	24	10	20	21	22	19	21	23
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MEAN	11	12	12	12	13	13	13	11	11	13	14	15	16	15	16	15	14	12	11	11	10	10	10	10	12.4

PERCENTAGE OF DATA VALID - 96.3 PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	OZON	E - CHE!	MILUM	INESC	ENT						UNIT	5 - P#	ARTS/E	BILLIC	ON							
	ST	ATION	3	C NO	44010	0	1298	REBEC	CA ST	ΟΔ	KVILL	E					NTH -		77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16									
DAY													,,,	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	12	0	2	3	1	1	3	4	5	7	7	7	12	4	2	2	2								
3		14	17	15	15	16	14	10	9	1.1	11	11		6	12	13	10	10	13	11	14	14	15	14	6
4	15	8	11	14	17	18	20	18	19	14	2	4	9	8	10	4	7		1.1	12	16	20	22	20	13
	6	8	14	19	20	22	21	19	19	16	6	2	ŏ	ŏ	0	ō	ó	7	10	9	9	12	12	8	1.1
5 6	29	28	28	28	28	28	28	26	25	1.1	13	15	26	27	14	22	26		13	29	29	29	28	27	14
	22	22	25	28	28	28	27	23	21	13	10	12	17	19	20	24	18	26	29	29	29	27	26	25	25
7	8	11	17	22				****					26	26	26	20	10	8	****	****	13	20	21	15	20
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9	15	15	16	В	13	8	8	8	8	9	12	13	14	15	16		16	17	21	17	20	20	17	17	8
10	16	16	15	20	20	14	8	7	14	18	21	22	20	20	17	14	9	1	2	3	10	14	23	22	12
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18	22	21	21	21	21	21	21	21	22	22	23	23	25	22	23	25	24	24	23	23	23	25	23	23	20
19	14	19	20	21	22	21	21	20	21	22	23	22	21	23	22	18	16	16	18	20	20	21	15	15	20
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22	3	2	0	1	2	0	0	1	1	2	4	4	4		9	7	4	1	0	0	1	3	5	4	4
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PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
  - 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

														(44		-	K 13/6	31 1 1 1 1	JN.							
	ST	MILL	• •	C NO	47030		MUCK	RES	STN H	WY 40	O/CAN	IAL R	D HO	LLM	ARSH		MON	₹Н -	MAY	77						
DAY	10	2	3	4	5	6	7	8	9	10	11	1	2	13	14	15	16	1.7	18	19	20	21	22	23	24	MEAN
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28 29	30	25 0	4 25	19	1 0 3 20 0	14	1 0 5 8	20 25	35 32	45 34	52 34	61		3	61	64	65	51	28	24	19	9 32	8 35	3 33	30	22 31
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31	1	1	2	3	1	1	3	12	26	38	59	68	8 8	6	84	85	97	101	103	96	86	82	77	40	61	51
MEAN	8	6	6	6	4	4	3	11	24	35	43	49	9 5	6	57	58	60	56	54	50	42	37	28	19	18	30.9

PERCENTAGE OF DATA VALID - 20.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 79.6

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- " " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	ST	MOITA	· c	NO	47030		MUCK	RES S	TN HWY	400/C	ANAL	RD H	IOLL	MARSH		MON	TH -	anika:	77						
HOUR	1	2	3	4	5	6	7	В	9		11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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1	63	53	45	44	45	41	46	38	27	32	37	40	41	42	37	38	31	31	32	31	22	22	17		
2	20	21	22	27	30	36	28	17	12	10	11	13	14	14	14	14	14	19	22	22	8	1	17	16	
4	0	0	0	1	0	0	0	6	16		32	35	38	40	40	42	41	40	39	25	9	4	1	1	
5	0	0	0	0	0	0	2	3	27		48	53	1	1	1	1	1	1	2	4	30	49	48	54	
6	6	4	44	47	50	52	49	48	46		42	42	42	42	43	44	45	43	23	16	14	8	17	13	
7	14	11	6	4	13	15	16	18	18		15	16	22	22	22	23	25	25	25	27	22	14	14	14	
		9	8	10	1.1	16	18	21	27		32	32	30	30	32	32	32	32	35	35	29	17	14	9	
9	11	11	12	13	13	12	9	11	25		34	35	38	39	41	42	40	39	40	40	34	27	17	5	
10	0	0	0	0	1	1	1	9	18		27	32	35	32	31	25	25	25	22	20	15	17	27		
10	8	16	12	5	4	1	2	7	13	19	30	32	35	36	38	40	38	31	27	19	10	7	1	21	
11	1	0	0	0	0	0	1	7	16	19	28	35	38	39	40	41	42			2020	200	1272			
2	38	39	41	51	54	53	44	40	36		30	40	43	44	45	46	39	43 30	34	33	40	27	38	28	
3	0	0	0	0	0	0	1	4	11			33	41	48	51	50	43	41	15	9	4	6	7	10	
4	2	1	2	1	1	1	1	1	2			45	51	53	58	58	58	55	38 38	33	20	6	3	4	
5	12	13	14	4	1	1	1	5	20			45	45	45	48	50	53	55		30	22	7	В	7	
16	1	1	1	2	14	10	1	3	9			22	32	38	39	40	42	40	51	49	35	9	3	2	
7	10	5	4	9	10	6	12	11	10		16	14	**	30	53	70	42	40	32	30	31	28	22	14	
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4	0	0	0	0	0	0	11	3	29	30 3		44	52	51	57	53	16	41	58		В	0	0	0	
5	1	1	1	40	37	28	13	30	33	46 6	65	64	70	61	64	55	35	37	39	32	5	3	3	2	
6	16	23	34	31	30	26	25	26	28			43	46	49	48	52	53	53	49	45 26	39	16	12	21	
7	2	1	0	0	0	0	-1	18	53			86	86	95	89	89	99	79	57	41	. 5	3	2	- 1	
8	34	9	32	34	37	24	24	33	47	54 5	57	85	89	92	93	75	53	51	60	56	16	6	23	30	
9	46	57	53	53	49	26	12	21	30	32 2			• • • •	21	23	23	24	24	20		52	29	29	36	
0	18	16	12	3	3	1	0	8	18			33	45	52	58	49	39	32	34	19 38	18	19	19	18	
ΔN	12	12	14	15	16	14	12	16	24	30 3	35	40	43	42	45	43	40	39	35		***				
														-	7.0	43	40	23	35	29	21	14	14	14	2

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE 2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	P	OLLUT	ANT -	OZON	E-CHE	MILUM	INESC	ENT						UNITS	- PA	RTS/B	ILLIO	N							
	5	01141	N : 1	C NO	4703	O	MUCK	RES	STN HWY	400/CA	NAL	RD	HOLL	MARSH		MON	тн -	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10 1	1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	35 13 9  3 1 1 2 19 47 7  16 20	37 5 13  4 1 0 3 18 33  4 9  19 0	20 4 15 15 11 0 3 16 28	18 10 21 10 0 3  20 3  12	26 0 11 30 0 0 3 7 20 7 11 26	32 7 11 24 0 0 4 17 5 13 26	22 12 9  13 0 0 3  12 2  18  9	15 15 5 0 0 3  9 1 16 12 	12 5  9 0 0 1 4 9	8 5 1 7 1 1 1 6 2 5 1 0 5 9 1 1 1 6 1 1 3 2 2 2 1 1 8 2 2 1	1 8 2 4 9 5 6 6 8 3 2 4 3	39 6 16 22 29 23 7 16 25 15 18 12 24 26 18 0 32	49 9 19 30 29 27 12 30 47 15 16 22 30 29	59 16 21 33 32 27 12 35 56 11 18 45 28 29 34 436	55 17 21 34 34 19 11 39 66 11 20 55 28 26 34	49 11 24 39 35 24 10 41 78 12 24 58 26 24 32 12 8	20 9 24 53 34 24 14 78 9 24 42 28 22 31	14 5 25 36 32 26 16 48 71 11 25 28 26 18 28	24 3 22 18 28 20 16 42 66 10 24 63 16 22 3	15 2 7 9 27 12 14 32 62 7 21 12 18 10 26	18 1 4 21 20 5 11 19 60 7 12 22 11	29 9 20 2	5 30 10 2 28 58 7	5 3  5 1 1 2 24 51 7 7	26 7 13 20 10 6 19 45 15 13 18 19
18 19 20	9 22	3 34	2 34	3 25	5 21	12 26	11 20			14 1 17 3	9	21 32	24 38	12 37 INVALI	24 35	37 31	40 29	24 40 31	21 26 31	5 20 31	4 9 28	4 3 30	5 3 21	21 ••••	15 16 29
21 22 23 24 25 26 27 28 29 30												DA DA DA DA DA DA	TA UN	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE BLE BLE BLE BLE BLE BLE	• • • • •									
MEAN	14	12	11	9	12	12	10	7	9	11 19	6	20	27	29	30	31	30	27	22	17	15	14	14	11	17.8

PERCENTAGE OF DATA UNAVAILABLE - 35.4

PERCENTAGE OF DATA VALID - 56.4 PERCENTAGE OF DATA INVALID - 8.2

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT . OZONE · CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47. STOUFFVILLE MONTH - JAN HOUR 1.1 24 MEAN 36 10 0 34 34 14 31 32 29 40 12 0 33 34 14 30 32 28 35 10 33 32 23 30 30 31 38 19 0 36 34 21 30 33 30 40 18 0 34 34 19 31 32 28 39 2 0 26 32 13 30 32 28 40 7 12 13 31 10 22 31 28 17 0 39 0 31 16 32 31 28 31 40 19 33 17 29 37 31 32 28 37 26 37 38 28 39 32 33 37 30 41 41 28 39 32 32 33 24 0 5 20 3 32 0 30 31 4 0 23 28 8 32 8 32 32 8 0 25 27 23 30 9 30 32 3 4 5 6 7 8 9 0 32 30 29 31 23 30 32 28 10 19 29 25 25 23 31 30 23 40 39 26 30 29 32 31 24 36 34 29 37 34 33 29 28 41 41 26 12 36 37 28 31 21 31 31 0 33 30 19 23 3 32 17 30 32 25 25 9 31 12 30 31 27 27 30 17 30 32 20 4 34 30 32 32 31 19 26 12 13 14 15 16 17 18 19 20 6 20 1 17 32 26 27 32 29 6 5 1 19 30 28 26 30 25 13 8 7 24 32 17 28 30 25 22 15 13 25 32 26 30 32 30 24 23 25 28 33 30 30 32 33 36 30 32 32 33 32 30 32 34 28 29 34 34 32 32 29 31 34 32 32 32 27 33 35 34 29 23 34 32 32 27 32 34 32 17 21 33 30 30 26 31 30 8 3 6 30 27 30 24 31 28 7 1 0 29 26 30 28 31 28 7 1 0 30 25 30 27 31 28 2 0 32 29 30 28 32 28 6 0 32 30 31 29 32 27 24 4 0 30 30 31 30 32 29 17 10 23 30 30 28 32 30 33 32 31 27 34 35 28 31 30 30 33 31 28 30 26 31 30 30 29 32 31 32 28 28 32 29 31 29 32 32 31 29 32 29 28 32 29 34 22 23 24 25 26 27 28 29 30 34 30 0 36 29 35 31 2 34 31 0 37 27 8 22 23 35 32 0 0 37 27 8 35 32 0 0 39 27 8 34 8 34 21 2 34 27 18 20 34 31 6 9 34 33 11 22 39 27 19 34 32 18 31 39 28 21 23 34 33 22 33 40 26 21 24 34 33 15 33 38 27 23 24 27 34 33 12 34 34 27 22 23 27 34 19 6 34 26 27 21 23 26 34 34 0 36 22 25 22 17 26 34 21 4 19 32 25 18 21 24 34 0 0 32 17 26 19 20 25 34 5 0 37 25 21 23 16 26 10 0 37 24 13 23 17 25 34 3 0 37 24 33 2 0 37 26 8 23 22 25 32 3 1 37 27 17 30 1 0 39 27 14 0 23 19 27 21 22 26 25 27 21 26 19 27 17 27 19 21 23 21 25 MEAN 24.1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4
NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTA	NT +	OZON	- CHE	AI LUM	INESC	ENT						UNITS	5 - P/	RTS/	BILLIC	ON							
	ST	ATION	- c	NO	48002	2	TRAI	LER/M1	C YAR	RD #9	HWY .	47. 5	TOUFF	VILLE		MON	NTH -	FEB	77						
HOUR DAY	T.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5	41 28	41 30	41 30	41 31	41 31	41 32	41	41	40	42		••••	DATA DATA DATA	45 INVAL INVAL INVAL	- DI - DI				41		25		27		39
7 8 9	24 22	21 24	17	12 19	10	10	9	7 19	 6 19	12 21	15 25	18 28	23 32	1 NV A L 20 24 28	20 26 27	21 26 25	17 22 17	7 12 14	0 3 8	5 0 8	15	14	18	20	13
11 12 13 14 15 16 17 18	1 16 20 21 24 23 26 0	0 13 21 22 25 26 26 0	1 11 20 22 27 25 26 3	3 6 6 25 28 26 21 12	1 12 10 27 27 24 17 13	7 16 11 26 26 20 14 14	15 14 14 25 25 15 12 8	15 9 14 17 23 17 9 2	12 7 13 19 21 16 12 9	13 12 17 25 25 23 21 14	17 16 16 24 26 26 31 14	21 20 17 26 27 **** 33 17 28	26 18 17 26 27 29 34 14	32 17 17 26 26 28 35 14 27	29 17 20 26 26 28 35 13	24 17 20 26 26 28 34 16 28	23 13 19 24 25 26 32 17 28	20 3 19 23 22 23 14 12 31	17 8 19 25 20 23 7 4	14 12 21 23 19 22 21 0	17 20 14 21 20 19 21 14 0	16 23 17 21 19 26 24 6	16 20 18 21 22 26 25 2 0	15 18 18 21 24 23 26 0	20 16 14 17 23 25 24 20 8
20 21 22 23 24 25 26 27 28	32 27 8 18 30 14 32 30 32	30 27 16 21 26 13 32 30 32	30 27 21 21 24 8 32 30 32	28 29 15 24 23 11 32 30 31	28 30 10 28 18 14 32 30 31	28 31 12 28 15 19 32 29 32	28 29 14 29 14 17 31 27 30	27 26 10 30 14 14 30 24 26	26 10 28 15 18 31 23 26	28 14 30 16 22 32 22 27	30 18 30 17 24 32 21 31	30 31 21 29 18 25 32 21 32	32 30 17 26 34 21 31	33 32 30 17 24 36 19 31	33 27 32 18 25 36 9	33 24 33 19 25 35 8	30 21 34 18 24 34 19 32	29 17 33 19 23 34 29	28 21 32 16 22 35 29 33	29 29 22 34 19 26 36 28 34	26 26 24 22 32 8 29 37 28 33	30 26 14 21 32 28 35 29 31	25 13 21 30 2 28 30 30 26	32 26 10 19 29 10 28 23 30 27	21 29 27 17 29 16 21 33 25 31
MEAN	21	22	21	21	21	21	20	19	19	22	24	26	27	27	27	26	25	22	20	21	21	20	20	20	22.2

PERCENTAGE OF DATA VALID - 77.1

PERCENTAGE OF DATA INVALID - 22.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE MONTH - MAY HOUR 24 MEAN 2 3 4 5 6 7 8 9 10 41 32 23 34 5 26 21 28 39 32 31 33 33 24 37 28 32 30 3 31 31 31 30 36 32 30 49 42 42 30 48 34 38 36 42 50 46 41 32 37 35 37 50 43 42 31 48 34 39 37 48 51 48 36 39 37 43 52 45 37 34 39 39 37 52 45 32 35 48 30 39 37 12 39 46 29 39 48 34 31 18 0 32 43 30 39 48 28 9 37 10 24 28 27 38 43 28 31 26 41 35 33 33 36 23 17 21 41 19 27 16 17 34 25 27 28 31 29 34 37 32 24 34 35 30 29 41 39 34 24 39 36 32 14 45 40 34 28 39 32 30 30 23 34 39 32 33 42 15 23 19 16 35 31 30 30 41 37 26 44 48 33 35 48 34 31 10 39 43 27 41 48 32 24 5 39 43 26 42 50 28 28 28 34 28 38 45 30 33 33 34 48 12 13 14 15 16 17 18 19 20 43 66 44 47 28 28 72 37 48 43 44 62 37 41 35 59 73 26 35 43 56 34 41 39 63 64 26 32 45 50 34 41 77 61 26 21 48 30 40 23 75 54 23 12 30 43 33 38 43 52 21 37 43 37 43 12 47 46 24 12 52 52 44 49 34 81 50 37 34 59 57 54 52 66 84 59 60 43 47 39 48 27 69 49 30 25 58 52 50 51 46 92 70 46 50 61 54 52 53 50 95 65 50 55 53 57 78 103 58 58 77 62 42 52 56 82 68 63 115 57 48 52 57 91 71 59 60 41 50 57 82 76 66 66 77 66 42 48 52 77 68 59 63 63 40 44 44 57 77 60 130 59 34 41 42 50 76 60 101 49 51 34 40 33 51 61 57 56 43 54 36 40 1 34 48 50 40 30 58 40 39 14 6 39 48 50 37 64 40 42 19 8 41 43 46 30 52 48 43 42 67 59 49 41 39 17 46 79 43 22 23 24 25 26 27 28 29 75 70 6 48 32 43 46 65 53 10 48 29 35 46 32 61 44 28 44 17 31 48 37 75 73 114 48 57 0 50 36 41 34 35 39 69 78 9 55 32 41 46 59 64 3 55 30 38 48 34 59 56 62 36 42 44 64 37 57 41 20 38 23 30 52 37 55 46 17 38 35 36 52 37 54 55 36 43 39 43 59 40 37 65 74 87 34 43 46 64 70 81 103 39 49 54 69 45 99 70 61 36 45 52 39 50 63 84 65 71 40 47 52 59 48 52 90 84 58 35 43 51 23 51 66 86 84 57 37 48 52 23 50 63 75 48 37 46 43 30 50 90 65 58 37 35 29 42 41 54 97 46 58 27 34 21 45 97 16 54 25 36 27 41 12 66 2 60 33 39 33 39 24 48 74 57 47 40 38 41 47 38 41 71 64 40 47 52 57 48 54 54 34 41 36 38 32 12 60 44 55 

PERCENTAGE OF DATA VALID - 99.6

MEAN

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

44.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - DZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47. STOUFFVILLE MONTH - JUN HOUR 24 MEAN 23 19 30 14 21 70 34 38 27 44 20 41 21 14 65 33 34 28 34 45 17 9 59 33 32 25 25 19 14 26 51 29 32 22 25 18 16 36 68 37 21 33 35 32 28 30 19 11 75 32 33 31 41 17 32 50 35 20 33 33 31 27 15 37 77 34 22 35 41 37 30 44 77 33 26 37 43 35 33 16 41 77 34 27 37 43 37 33 16 43 73 30 36 48 28 37 18 20 17 32 34 23 31 27 27 47 68 42 32 41 43 28 42 27 43 72 38 37 42 42 26 32 28 37 50 30 39 43 45 28 26 29 27 30 37 37 41 26 27 18 30 26 28 31 32 42 25 30 14 17 29 32 37 20 34 27 28 4 5 6 7 8 9 11 19 50 33 24 30 44 43 30 34 36 32 27 21 33 40 19 32 32 26 21 46 66 37 32 35 49 30 47 57 40 31 36 44 30 37 40 76 39 24 35 39 36 29 33 35 31 44 59 18 12 13 14 15 16 17 18 19 20 59 17 72 19 28 34 49 28 40 15 48 47 70 64 17 37 33 39 58 20 34 32 35 44 32 37 52 20 31 29 20 34 30 34 8 53 18 31 28 27 41 25 34 42 25 39 34 28 42 16 36 43 46 41 32 43 16 37 48 34 50 45 37 63 37 16 46 39 52 44 44 60 36 37 25 44 47 61 50 46 57 37 37 44 50 68 49 54 33 37 45 52 41 68 51 42 63 61 58 56 68 36 55 44 41 67 46 58 60 53 33 43 41 63 57 57 59 59 34 43 38 45 57 39 65 57 57 32 34 28 38 42 31 72 49 55 28 30 20 21 34 25 59 38 48 17 23 17 17 30 30 62 31 50 12 44 30 45 35 46 49 41 33 27 17 14 30 4 65 34 53 8 17 17 34 8 58 35 50 15 35 16 59 32 48 21 32 26 52 37 44 23 59 37 39 55 56 53 34 57 39 16 22 23 24 25 26 27 28 29 27 28 13 15 36 28 74 43 28 30 13 15 38 32 73 56 25 26 35 11 27 37 32 63 23 34 13 48 37 27 21 26 10 40 35 13 58 49 22 23 15 35 32 23 51 35 27 30 34 32 32 39 56 32 35 43 34 51 30 37 40 44 37 62 51 32 39 33 54 34 72 76 34 43 37 61 35 116 67 27 46 37 41 61 67 47 136 72 27 34 42 70 57 51 134 66 34 41 84 65 57 116 63 29 34 39 95 71 58 95 68 26 34 36 94 45 55 79 78 25 34 33 80 47 52 69 80 22 57 31 24 79 47 43 57 77 24 35 20 20 35 49 21 39 65 23 17 21 41 45 25 68 25 56 21 17 21 41 9 72 75 27 25 9 29 39 65 64 27 31 42 45 36 64 66 34 28 12 26 39 17 68 53 67 43 116 59 26 68 19 MEAN 38.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- \*- " INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47. STOUFFVILLE MONTH - SEP HOUR 24 MEAN 16 15 17 18 19 5 13 15 18 20 16 17 17 14 13 14 25 21 33 29 25 13 29 23 15 16 20 18 16 11 23 43 27 25 18 31 51 8 23 36 14 21 22 19 12 19 13 13 17 13 11 28 13 18 19 13 13 13 19 26 20 16 14 17 27 23 41 27 19 44 32 25 25 49 32 25 17 36 47 O 47 32 26 13 35 45 20 19 12 15 10 29 20 27 13 23 16 14 29 21 13 21 19 28 17 20 14 14 23 16 15 18 42 13 11 13 12 14 19 17 24 49 13 12 15 10 7 11 19 20 29 51 34 35 14 9 10 10 27 14 32 13 36 13 13 12 13 14 15 16 17 18 19 20 12 18 17 9 17 0 11 21 37 26 41 26 32 27 21 19 8 32 26 38 42 26 21 22 10 34 24 30 42 27 20 21 8 33 21 31 21 18 4 19 21 16 16 8 16 20 27 20 15 13 7 12 17 22 14 17 9 12 0 16 31 21 13 20 4 23 11 19 0 17 23 26 23 9 17 0 16 22 25 23 11 19 2 15 24 25 17 13 15 0 20 16 8 12 1 4 23 17 16 9 28 21 32 19 17 9 34 25 35 17 12 17 0 21 13 15 0 16 34 16 11 13 7 17 20 5 34 31 29 13 15 0 21 10 35 24 32 21 5 32 24 29 15 0 2 16 15 0 5 24 15 19 27 27 DATA 22 23 24 25 26 27 28 INVALID DATA DATA DATA DATA DATA DATA INVALID INVALID INVALID INVALID INVALID INVALID 16 17 12 11 9 21 15 12 11 5 12 2 9 2 12 MEAN 17.5 PERCENTAGE OF DATA VALID - 71.8 PERCENTAGE OF DATA INVALID . 28 2 PERCENTAGE OF DATA UNAVAILABLE -

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE - CHEMILUMINE SCENT UNITS - PARTS/BILLION STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE MONTH - OCT HOUR DAY 24 MEAN 15 23 11 20 12 12 22 16 11 15 18 20 14 18 15 15 20 24 17 23 25 14 16 14 16 23 24 27 15 22 18 11 31 14 23 14 24 25 14 22 21 13 25 14 25 20 22 9 18 23 14 21 11 26 17 16 5 11 22 13 14 24 16 14 12 8 22 13 12 24 11 13 10 11 23 14 11 24 6 14 11 14 24 15 12 25 8 18 9 12 24 17 0 17 15 5 15 15 15 24 25 17 17 10 18 20 11 22 25 6 16 22 13 12 19 22 16 16 21 21 23 16 15 23 12 21 19 13 16 16 17 24 16 13 8 10 22 13 0 11 19 14 12 11 20 14 13 22 15 22 15 10 32 25 12 16 14 11 10 17 23 10 13 22 24 27 12 13 14 15 16 17 18 19 20 15 8 9 10 7 2 12 16 9 11 17 14 5 13 14 19 19 27 18 15 2 15 18 16 18 4 9 0 18 15 7 0 7 5 9 7 4 16 21 23 38 18 19 15 18 23 38 18 13 23 39 15 12 23 39 14 7 23 34 13 12 3 24 13 11 18 13 2 0 32 12 12 10 21 17 15 7 13 2 0 32 12 4 0 35 19 36 18 18 34 18 16 14 5 0 7 19 7 18 16 7 0 9 16 16 28 18 17 29 15 18 26 7 19 20 5 22 7 21 5 21 24 4 22 23 24 25 26 27 19 12 12 0 0 9 23 19 22 22 17 11 25 24 18 11 7 24 25 15 16 22 28 27 29 24 23 18 18 23 32 28 24 22 14 19 24 31 27 27 21 15 4 12 14 2 17 12 18 4 18 0 12 2 0 13 18 0 19 27 12 17 0 13 29 26 19 18 21 19 17 11 10 11 21 20 19 22 16 0 18 13 15 0 18 21 13 11 5 28 26 15 9 17 0 18 20 0 18 27 17 4 11 7 5 13 4 0 4 15 24 11 23 22 19 26 27 27 28 15 2 13 29 30 20 15 16 5 23 18 25 25 29 MEAN 15.7

PERCENTAGE OF DATA INVALID - 1.1 NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

"-" INDICATES DATA IS UNAVAILABLE 2.

PERCENTAGE OF DATA VALID - 98.9

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA UNAVAILABLE - 0.0

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION -	C	NO 48002	The second					011.11
		40002	TRAILER/MTC	YARD	#9	HWY	47	STOUFFVILLE
MONTH		2.721	500 1					

MONTH			ALLE	
	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	
JAN	31	24.1		MAXIMUM READING
FEB	21	22.2	34	41
MAR	30		39	45
APR		27.1	40	72
	30	28.9	53	
MAY	31	44.9		75
JUN	30	38.4	77	132
JUL	31		66	136
AUG	31	36.1	56	152
SEP		24.7	44	
	21	17.5	27	86
OCT	31	15.7		51
NOV	30		22	41
DEC	31	12.8	21	30
YEAR		12.9	27	31
/ <del></del>	348	25.7	77	
				152

# CNTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47. STOUFFVILLE MONTH 00 TO 10 11 TO 20 21 TO 30 31 TO 50 51 TO 80 81TO100 101TO150 15180VER TOTAL о о FEB О MAR APR MAY JUN JUL AUG SEP OCT NOV DEC YEAR 

FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT OF DATA VALID CONCENTRATIONS FREQUENCY DISTRIBUTION. PERCENT 50 70 90 95 ARITH MEAN 95.3 0 MAX 6.0 16.3 30.8 45.6 56.8 69.3 79.3 25.7

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	STA	TION	- SE	NO 5	1001	M	CDONA	LD GD	N RIE	EAU/V	IURTE	MBURG	ST.01	ΓΤΔΨΔ		MONT	гн	AN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	13 3 10 0 5	16 3 17 0 5	15 4 18 1	15 4 20 1 24	13 3 20 0 24	8 2 20 0 24	6 3 17 5 22	3 2 16 13 20	2 1 13 20 20	10 2 15 22 24	15 6 17 22 24	- DA	TA UNA TA UNA TA UNA TA UNA 15 8 18 24 19	AVAILA	ABLE ABLE		3 1 1 4 8	4 0 1 2 3 15	17 1 1 1 5	18 1 3 1 10 15	16 1 8 0 10	15 3 11 0 8 14	12 3 10 0 10	8 · 3 · 7 · 1 · 10 · 10	8 4 11 10
11 12 13 14 15 16 17 18 19	10 16 3 1 16 0 20 10 20 25	12 17 7 3 15 1 22 14 20 24	19 15 8 4 16 1 24 12 19 22	23 14 11 7 17 5 22 18 8	22 14 6 10 19 7 20 20 11 24	22 15 1 8 17 8 19 20 11	20 8 0 3 13 15 17 6	17 0 0 1 9 4 6 17 6 9	17 1 1 10 9 6 17 7	17 6 3 8 13 17 15 21 13	20 14 6 13 14 18 20 22 17 27	21 20 8 14 13 22 21 22 22 29	23 15 16 10 24 24 21	15 23 15 19 10 24 24 20	19 24 11 20 10 24 24 21 0	20 20 6 13 7 18 20 20 20	13 13 1 10 3 15 9 13 15	8 3 0 9 2 4 5 13 14 9	10 6 0 11 1 0 2 13 15 6	14 3 0 12 0 3 0 13 18 5	13 0 13 0 10 10 12 20 5	13 0 12 1 11 13 18 8	15 1 0 14 0 12 2 13 15 8	15 0 13 0 13 4 15 19 7	15 11 4 10 9 11 14 17 14
21 22 23 24 25 26 27 28 29 30	9 15 20 5 0 13 21 13 19	9 15 15 9 0 1 16 21 12 18	9 15 12 8 0 2 17 19 14 17	9 16 13 7 1 7 17 17 18 17	8 17 12 9 1 8 15 9 20 17	7 18 14 8 1 15 25 7 20 20	4 18 17 6 1 10 16 2 17 21	0 19 16 1 0 4 8 0 17 21	1 18 12 1 1 7 10 1 18 22	5 19 17 3 4 15 19 4 19 25	8 19 20 7 6 19 20 11 19 27	18 21 8 10  23 15 20 28	4 20 23 9 11 20 23 18 20 28	6 20 23 9 9 21 23 19 20 27	5 20 21 7 6 21 20 18 17 25	4 18 15 3 4 20 15 17 12 23	2 17 11 0 0 12 9 12 9 18	0 17 4 0 9 9 3 9 16	1 19 4 0 0 4 9 17 13 16	3 19 4 0 0 0 12 14 20 19	7 18 4 0 0 0 15 11 22 20	9 19 3 0 0 1 18 14 24 22	11 20 4 0 0 5 17 12 23 18	13 20 3 0 0 9 17 12 21 20	6 18 13 4 2 9 16 12 17 21
MEAN	11	12	13	14	13	14	11	8	9	14	17	18	18	18	17	14	9	6	7	8	9	9	9	9	11.9

PERCENTAGE OF DATA VALID - 84.5 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 15.1

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE CHEMILUMINESCENT UNITS . PARTS/BILLION STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA MONTH - FEB HOUR DAY 13 4 12 19 4 18 25 17 17 10 7 7 2 8 11 22 9 6 7 15 5 17 14 24 23 15 13 12 17 15 19 20 6 12 0 17 19 4 6 4 18 6 19 15 25 23 19 19 3 20 17 20 23 4 20 16 22 22 0 9 12 17 13 7 4 0 2 11 18 9 4 1 4 0 16 23 15 17 2 5 6 7 8 9 7 20 23 14 13 0 19 22 10 17 7 12 23 20 10 14 4 4 3 4 1 12 7 7 12 13 14 15 16 17 18 19 15 12 15 0 0 0 17 21 20 23 0 0 0 20 21 23 28 0 0 0 12 18 20 19 23 18 28 0 0 0 13 23 12 21 0 0 0 7 5 20 7 8 0 0 0 13 6 19 9 16 0 0 0 23 7 15 20 28 0 0 0 0 30 12 16 23 0 0 0 0 0 38 10 14 20 30 0 9 17 23 0 0 0 0 0 40 7 11 23 0 0 0 0 0 38 6 7 7 0 0 0 0 0 4 7 4 0 0 0 0 0 0 0 2 5 14 9 11 0 0 0 0 0 23 11 16 0 0 0 0 0 0 22 0 0 0 0 0 34 12 0 0 0 0 0 29 34 22 23 24 25 26 27 28 18 •••• 41 9 33 43 40 22 ... 35 4 29 41 12 31 36 25 30 36 26 28 27 22 30 33 31 31 12 23 30 29 33 33 6 21 28 18 28 30 26 0 13 26 10 30 19 11 33 35 20 33 31 35 13 35 38 13 33 38 23 26 35 10 28 44 4 32 28 19 0 20 12 34 30 23 0 29 33 14 28 33 18 20 27 31 23 27 38 8 27 44 25 30 36 7 24 32 30 16 25 32 7 17 24 10 21 30 12 8 28 31 17 0 20 36 30 25 0 36 29 14 28 23 27 27 17 0 27 21 0 25 MEAN 13.9

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

		ATION	- S	E NO	51001		MCDON	ALD (	GDN R	IDEAU	/WURT	EMBUR	G ST.	OTTAWA		MON	TH -	MAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	10	14	15	16	17	18	19	20	21	22	23	24	MEAN
,	30	29	32	32	31	26	24	23	33	37	39				2										
2	29	33	30	34	34	25	18	31						33	38	36	32	27	28	23	19	21	23	28	30
3	35	37	37	34	28	19	25		38	43		45	37		28	24	23	27	30	23	31	35	38	40	32
4	22	30	35	38	33	32		39	42	44		41	38		36	25	7	3	0	0	0	0	4	20	25
5	15	22	25	27	23	22	29	33	33	26		29	28		28	2B	29	27	28	28	25	16	17	15	28
6	30	32	30				20	21	23	23			19		17	17	17	15	17	27	29	37	37	36	23
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16	16	12	9	10	1.2	10	6	0	0	2	5		25		28	27	25	21	3 25	2	2	1	4	13	7
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22	31	34	35	38	40	38	33	30	30	36	34	33	39		41	38	39	36	35		19	9	33	33	27
23	41	41	41	41	41	41	36	31	31	31	31		33	36	37	35	25	13		31	37	39	39	39	36
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29	25	25	20	23	25	20	16	2	7	6	12	16	26	38		44	45	43	47	9	9	9	29	21	27
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31	42	44	46	46	45	47	37	37	37	38	34	32	37	38	41	41	38	33	24	11	36	39	38	39	38
MEAN	24	25	26	26	26	23	20	22	26	29	32	35	36	37	37	33	28	23	21	18	20	20	22	23	26.2

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - DZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

																	31111								
	S	TATIO	٠.	SE NO	5100	1	MCDON	ALD C	GDN RI	DEAU/	WURT	EMBURG	ST.0	TTAWA		MON	TH -	APR	77						
HOUR Day	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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13	3	3	1	7	1.1	9	5	7	13	8	4	5	46	40	42	37	30	30	19	14	16	0	0	5	40
14	21	23	23	23	29	33	34	33	32	32	32	33	33	34	34	33	32	28	27	21	19	15	17	21	17
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16	26	25	26	26	25	30	32	33	32	34	35	37	41	41	40	40	39	32	30	16	14	15	19	23	24
17	23	19	23	24	30	32	33	34	35	36	37	38	38	40	42	41	40		32	24	17	20	22	21	31
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25	41	40	38	36	34	30	32	40	42	40	40	40	36	33	31	22	28	28	15	38	39	41	42	42	39
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27	21	1.5	16	11	7	7	13	18			27	28	37	36	34	25	28	30	36	22	17	20	15	17	26
28	46	49	50	32	34	35	39	37	36	40	39	38	41	41	40	40	39	41		35	37	36	34	41	26
29	28	30	30	28	25	23	24	28	35	40	40	42	42	40	37	36	36	37	39	34	25	24	25	28	37
30	28	30	30	34	35	34	30	32	38	36	38	43	47	46	44	44	44	46	27	19	19	30 43	30	15	31
MEAN	28	28	29	28	27	25	26	27	31	34	35	37	40	39	39	37	35	34	28	23	22	23	28	24	37 30.0

PERCENTAGE OF DATA VALID - 87.5 PERCENTAGE OF DATA INVALID - 2.5

PERCENTAGE OF DATA UNAVAILABLE - 10.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LELS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA MONTH - JUL 77 HOUR 24 MEAN 12 12 25 16 17 3 4 5 6 7 8 9 26 20 26 21 10 15 11 12 16 32 24 26 31 16 14 19 29 26 25 29 40 18 16 29 27 27 26 14 25 22 17 28 20 8 14 31 22 19 10 22 30 15 34 42 26 33 42 58 20 29 15 26 21 11 17 26 16 16 18 17 15 11 16 27 39 43 21 25 47 50 22 38 31 42 23 18 34 29 27 25 34 42 24 19 38 31 24 25 35 44 26 24 38 44 19 28 22 32 41 21 24 52 41 21 37 15 21 9 16 17 49 35 19 24 6 26 5 16 0 37 28 4 33 41 28 37 53 58 21 32 32 41 28 29 52 57 23 34 42 26 25 32 54 23 35 20 24 27 20 17 29 32 22 23 26 17 6 26 29 16 11 16 30 17 41 16 16 12 13 14 15 16 17 18 19 35 5 25 11 2 21 15 34 53 39 29 25 15 5 18 14 42 52 27 30 21 9 6 20 14 41 40 4 19 19 17 17 35 19 25 16 16 11 22 10 34 32 6 14 12 5 12 30 8 24 12 35 32 43 21 41 11 21 33 53 25 42 20 15 32 38 75 47 47 25 54 15 29 36 4 28 26 11 0 18 15 48 50 32 26 16 9 30 29 19 38 15 1 21 В... 13 24 22 20 26 27 17 50 52 21 65 32 46 20 27 47 44 21 56 0 19 11 26 52 45 52 40 22 57 77 49 22 23 61 77 5 50 21 21 63 75 29 42 20 16 62 52 18 29 19 9 51 45 32 14 12 57 46 21 6 15 53 49 35 4 11 61 43 17 47 49 44 25 54 22 23 24 25 26 27 28 29 30 20 3 43 69 21 11 29 10 22 24 45 65 22 12 25 53 47 25 5 49 57 20 21 10 44 52 21 18 46 44 19 6 16 12 44 26 17 6 3 16 22 44 26 18 6 5 19 24 44 42 19 14 27 34 67 25 14 29 37 26 30 21 29 64 21 15 24 34 15 34 69 19 14 8 13 44 23 32 64 20 12 37 73 21 24 69 22 6 29 4 16 24 53 35 16 18 23 48 29 44 69 22 12 26 30 44 44 43 18 16 34 64 32 47 29 54 29 19 23 46 64 23 44 25 16 30 42 72 43 25 16 30 39 73 41 26 16 29 38 74 55 26 16 26 37 63 29 65 25 15 29 39 25 30 73 22 6 18 2 42 52 62 23 59 41 36 € MEAN 

27.2

PERCENTAGE OF DATA VALID - 96.6 PERCENTAGE OF DATA INVALID - 3.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0 NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
  - 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA MONTH - AUG HOUR DAY 24 MEAN 12 4 11 12 17 7 13 26 14 52 25 7 11 14 53 44 38 11 13 22 4 8 37 18 26 11 6 17 29 13 29 11 4 14 3 4 14 5 41 3 4 5 6 7 8 9 22 11 45 6 35 23 21 19 32 37 63 14 34 43 34 50 56 31 39 59 11 19 55 34 11 11 25 11 46 34 56 62 32 39 54 42 23 29 58 62 36 39 40 37 23 21 42 49 44 39 39 34 22 26 37 50 44 40 39 32 26 17 21 57 8 37 29 32 20 8 24 46 52 43 35 39 32 19 18 38 44 31 18 20 29 14 20 39 34 20 9 12 25 14 26 9 7 9 15 26 0 5 21 15 7 8 14 24 4 13 18 17 7 11 21 5 17 26 39 26 29 24 21 17 39 50 40 27 32 32 20 15 6 30 13 6 14 4 41 12 8 21 18 10 16 11 10 11 12 13 14 15 16 17 18 19 20 19 0 52 19 0 53 6 6 11 17 4 18 6 42 7 7 13 22 6 21 16 7 41 6 6 13 19 9 10 6 38 0 3 11 16 4 20 6 9 32 1 2 8 11 17 28 3 4 1 9 2 19 24 35 9 3 4 11 10 25 41 36 14 1 6 22 49 37 19 26 53 31 18 5 13 14 24 57 28 19 2 16 14 19 23 22 62 26 21 25 14 15 21 20 65 19 21 5 26 14 14 16 56 19 17 4 23 16 6 12 53 16 11 6 17 12 6 4 0 42 6 0 15 16 1 4 0 16 0 50 1 0 14 14 0 7 0 52 35 21 2 9 14 16 24 0 49 1 2 4 13 0 4 0 15 35 28 10 5 13 12 9 4 3 6 12 4 8 52 32 21 4 15 15 0 45 1 2 9 12 0 6 0 16 19 25 22 23 24 25 26 27 28 29 30 35 16 16 11 0 9 39 19 19 12 0 22 39 54 37 28 9 3 1 20 14 2 10 3 34 29 33 29 9 13 6 39 33 35 37 31 14 14 37 25 24 23 26 17 37 64 54 14 17 4 0 27 23 25 18 25 66 52 57 16 26 23 27 18 34 66 53 59 20 16 25 14 37 57 54 31 20 19 11 1 23 42 44 13 4 5 19 13 20 16 34 59 16 9 21 13 28 59 12 4 8 5 19 52 42 16 4 1 6 4 11 4 6 0 1 9 6 0 0 37 42 9 11 2 0 45 43 16 9 14 1 0 0 47 45 24 16 13 10 13 41 43 11 11 3 14 37 40 25 70 50 54 21 27 12 17 55 46 46 41 42 50 40 10 - DATA INVALID -MEAN 15 19 20 21 19 14 10 12 18 

PERCENTAGE OF DATA INVALID - 4.8 NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

.. INDICATES DATA IS UNAVAILABLE

PERCENTAGE OF DATA VALID - 94.6

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

32 33 32

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PERCENTAGE OF DATA UNAVAILABLE - 0.5

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POLLUTANT - OZONE-CHEMILUWINESCENT UNITS - PARTS/BILLION

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	51	ATION	· S	E NO	51001		MCDON	ALD G	DN RI	DEAU/	WURTE	MBURG	51.0	TTAWA		MON	тн -	NOV	77						
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7	4	6	6	11	16	17	17	16	13	13	10	13	13	1.1	11	9	1	1	1	0	9	11	13	15	13
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PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6. PERCENTAGE OF DATA UNAVAILABLE - 0.0
NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

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PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.1
NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION MEMORIAL PARK YORK/THIRD ST., CORNWALL STATION - SE NO 56051 MONTH - JAN 77 HOUR 7 8 9 10 11 13 14 18 19 20 21 24 MEAN 16 21 10 12 1 17 22 10 12 2 0 12 7 23 13 10 22 15 7 17 18 6 12 14 12 17 16 3 14 16 22 13 3 21 10 21 22 10 3 4 5 6 7 8 9 14 7 15 5 14 10 4 10 12 6 12 14 15 8 4 15 6 15 16 6 15 18 13 5 15 17 18 15 13 12 9 5 13 16 10 6 15 19 8 19 1 B 12 13 14 15 16 17 18 19 20 17 12 12 9 1 2 19 16 16 19 17 20 18 9 10 22 19 21 21 25 14 16 17 12 3 9 24 11 21 5 0 12 19 5 21 21 12 2 8 20 10 12 19 10 12 23 17 24 22 14 20 10 12 24 21 22 24 11 17 8 10 24 17 20 21 16 17 2 22 21 12 17 13 21 14 3 23 24 24 8 20 20 15 2 23 22 14 10 21 24 17 14 22 21 23 5 21 22 15 6 21 21 16 23 21 18 17 19 22 24 4 19 21 19 16 15 19 20 4 19 25 25 16 22 23 24 25 26 27 28 29 30 16 16 13 0 3 21 19 17 23 3 17 25 21 23 11 15 20 13 0 17 18 9 0 12 25 14 19 25 6 4 19 21 19 17 19 25 7 6 21 17 16 23 5 3 16 19 19 4 19 25 5 5 20 19 15 15 21 4 1 17 15 22 18 19 15 20 2 14 19 1 2 19 14 18 17 14 19 0 4 11 13 0 5 21 16 19 18 23 16 20 6 2 16 19 16 19 21 18 11 0 9 25 5 21 19 13 25 15 23 13 17 25 15 21 13 19 19 15 19 19 21 19 19 15 19 20 1.7 17 .... 

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NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- \*- \* INDICATES DATA IS UNAVAILABLE 2.
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL MONTH . FEB 77 HOUR 9 10 11 16 17 18 19 13 14 22 23 24 MEAN 19 19 9 19 11 19 21 22 22 12 19 13 20 13 20 21 23 21 21 9 9 13 21 21 21 25 18 30 11 7 15 21 20 21 14 24 11 2 12 19 18 22 12 15 15 1 19 17 0 19 13 6 19 11 0 14 17 17 13 0 15 18 15 6 19 19 15 19 17 21 22 24 19 25 8 19 21 21 21 12 9 19 21 21 25 16 26 15 19 17 2 19 4 17 12 12 13 14 15 16 17 18 19 20 14 15 19 15 7 17 5 19 17 19 11 19 17 16 11 23 20 21 17 17 9 12 18 27 23 21 19 25 14 25 17 19 18 21 13 9 8 18 14 23 23 21 18 20 13 14 16 18 27 23 21 21 28 15 29 15 19 27 25 21 23 28 17 29 16 23 25 25 19 12 23 21 21 19 21 20 19 27 5 20 19 19 15 20 15 14 27 16 23 22 12 17 4 3 14 13 21 20 18 17 17 19 20 13 19 19 14 17 19 21 15 21 16 20 20 11 13 16 19 15 12 17 13 10 24 21 15 20 15 17 21 14 19 0 21 20 22 15 20 17 14 16 16 11 18 0 5 11 18 3 19 1 12 6 10 27 19 27 22 23 24 25 26 27 28 23 5 17 21 20 14 17 20 13 16 14 20 9 15 12 22 27 19 5 13 13 22 25 21 21 14 13 29 27 19 19 21 23 18 20 13 13 8 30 17 24 25 14 19 25 23 14 25 38 31 22 25 16 16 27 31 27 18 24 24 12 14 23 14 18 26 13 10 20 21 18 26 16 23 19 15 24 29 0 13 23 21 15 16 19 15 23 25 27 9 25 23 15 12 19 10 31 23 17 21 11 12 29 24 16.7

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- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ".... INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST ... CORNWALL MONTH - MAY HOUR DAY 24 MEAN 48 23 14 0 31 27 19 25 26 44 21 16 2 26 28 19 24 23 38 24 21 4 30 34 25 23 32 14 0 29 25 31 32 40 19 37 37 36 21 234567B 34 35 33 32 22 34 40 31 32 12 0 23 28 12 28 24 31 13 0 24 28 16 27 24 28 12 0 28 28 21 26 34 33 52 23 36 33 33 30 43 34 46 67 23 35 28 32 32 37 37 46 75 32 35 33 28 32 35 32 46 66 41 35 30 29 30 32 34 34 51 44 35 28 32 28 26 10 26 33 28 22 28 32 32 47 42 33 27 32 29 25 28 24 40 40 21 29 32 23 34 21 6 30 34 8 29 30 33 45 58 22 35 30 33 26 26 11 8 32 30 5 26 31 13 26 7 3 32 21 10 29 26 12 25 7 1 33 19 8 29 23 30 8 1 36 18 11 27 26 8 27 24 29 29 27 26 28 24 30 24 34 36 30 28 26 12 13 14 15 16 17 18 19 32 29 26 17 31 51 46 10 32 29 26 18 30 50 35 32 28 20 13 29 46 41 12 28 30 26 21 21 27 43 35 14 21 28 24 23 28 26 39 25 14 30 28 26 32 30 36 27 15 27 33 34 32 27 34 36 36 34 28 34 38 36 19 15 31 48 52 10 34 27 23 14 31 50 48 6 38 34 30 37 46 78 39 41 34 30 39 46 83 48 41 58 41 34 30 41 48 81 55 37 61 30 33 30 41 47 79 56 36 50 32 30 39 45 83 52 41 39 31 30 36 45 88 44 36 46 25 22 34 43 88 39 24 32 50 16 16 29 41 89 37 20 52 15 14 28 42 70 26 20 14 34 30 34 42 34 5 15 29 46 41 12 37 36 26 24 29 38 62 36 24 31 33 32 16 29 44 45 10 41 12 41 60 14 39 14 18 17 21 22 21 48 25 24 22 23 24 25 26 27 28 29 30 52 26 50 51 37 49 59 8 43 40 46 53 7 47 30 48 47 11 15 3 40 24 47 43 12 34 39 30 15 7 6 14 2 43 37 32 28 10 11 55 54 43 30 34 28 52 55 48 27 34 32 10 47 52 55 30 34 36 13 32 39 54 51 52 30 37 37 21 37 43 55 66 53 27 37 38 24 40 45 59 51 55 21 38 41 24 42 47 61 55 59 22 35 37 26 48 48 73 58 26 35 29 30 50 49 48 60 58 30 34 23 30 50 50 31 34 46 62 34 29 21 26 43 19 39 65 30 19 15 28 40 66 25 18 6 25 14 36 48 62 21 14 32 58 70 19 13 9 50 49 27 55 67 15 12 3 44 47 53 33 21 12 25 25 17 11 20 24 18 3 32 50 \*\*\*\* \*\*\*\* MEAN 32.1 PERCENTAGE OF DATA VALID - 98.5

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NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST. . CORNWALL MONTH - JUN 24 MEAN 39 13 8 50 25 14 14 12 8 37 12 8 47 23 14 32 10 17 50 20 14 16 5 29 14 18 40 17 11 16 11 32 16 19 34 20 10 15 13 3 4 5 6 7 8 9 35 19 21 32 23 11 15 16 41 21 23 32 28 11 16 20 42 27 28 32 32 12 16 21 18 10 18 48 17 13 17 6 34 26 34 31 35 12 16 21 39 24 36 31 35 13 14 23 46 23 38 30 33 10 17 23 20 32 21 38 32 34 10 16 21 5 20 39 32 37 10 15 21 18 7 19 52 29 23 10 12 17 8 11 61 15 18 11 13 9 10 47 21 14 24 37 30 34 12 17 23 10 9 61 11 15 10 6 61 12 7 11 10 1 12 6 60 21 9 12 11 3 12 8 55 25 14 14 12 3 20 46 30 32 10 14 21 27 16 34 33 24 12 15 13 43 15 12 17 7 8 12 13 14 15 16 17 18 19 19 9 10 9 5 16 0 20 14 10 17 15 14 7 9 8 1 8 14 14 12 6 8 10 3 6 14 17 13 16 10 11 5 24 22 24 27 22 14 12 8 25 24 27 42 19 16 11 25 22 30 32 32 22 14 13 27 22 30 34 32 30 17 15 29 17 11 9 8 22 21 32 37 31 32 35 18 30 27 17 37 43 32 34 54 17 32 28 17 39 36 29 32 58 17 32 25 17 40 33 28 33 58 18 32 19 19 43 34 27 35 62 17 32 18 17 46 36 25 34 66 17 30 14 12 47 34 23 32 60 18 28 6 40 29 14 24 60 18 20 6 19 19 6 22 44 15 14 2 3 14 0 1 13 2 13 8 6 15 6 0 1 9 1 16 5 19 12 7 14 23 16 20 28 12 21 15 6 7 9 10 5 14 0 20 12 14 40 14 6 12 16 10 22 23 24 25 26 27 28 29 30 12 10 12 51 14 25 25 29 12 10 12 51 5 22 25 12 11 11 41 9 18 25 25 7 12 11 12 31 17 21 25 19 12 11 12 23 19 23 19 10 11 30 19 24 18 8 10 14 45 29 26 10 15 18 46 32 33 19 12 13 17 23 47 32 36 28 12 19 34 49 35 38 39 13 14 23 34 48 40 39 38 20 16 25 32 45 41 36 40 23 17 27 36 44 43 38 56 32 24 17 28 38 40 46 36 57 32 25 17 29 40 36 49 28 57 34 25 17 30 47 32 47 27 53 19 29 49 30 44 27 51 26 21 24 48 29 41 29 50 21 28 15 23 49 20 40 30 47 15 21 5 16 48 24 34 30 44 12 0 12 49 27 25 26 43 3 9 54 30 24 24 43 10 4 13 52 27 25 21 43 10 16 50 22 27 21 34 8 19 18 33 36 31 28 37 MEAN 22.1

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- 2. " - " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEWILLWINESCENT

UNITS - PARTS/BILLION

	ST	ATION	. 5	E NO	56051		MEMOR	IAL	PARK	YORK/T	HIRD	ST	CORNW	ALL		MON	ТН -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	τ.,	DZONE	- CHEM	LLUMI	NESCEN	CT.						UNITS	- PA	RTS/B	ILLION	v							
	ST	ATION	· s	E NO	56051		MEMOR	AL	PARK	ORK/1	THIRD	ST	CORNW	<b>A</b> LL		MON	TH - (	TOC	77						
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1 2 3 4 5 6 7 8	3 11 7 15 10 23 13	4 11 7 16 8 22 14	5 11 8 16 7 20 14	6 10 8 15 9 20 10	5 10 7 15 9 21 10 2	11 6 15 9 18 9	1 13 3 10 8 14 4 7	1 14 5 11 8 10 6	12	1 15 10 15 15 16 18	2 15 12 17 20 16 19	1 12 11 20 25 16 19	2 10 13 23 29 15 21	4 9 12 23 25 15 21	3 8 10 23 24 16 21	3 7 8 22 25 17 13	4 6 20 24 16 10	5 5 9 21 12 8	8 4 0 1 19 9 5	9 4 2 2 19 8	10 4 2 7 23 9	11 4 5 9 29 6 3	10 4 7 9 27 4 6	11 5 10 8 24 4 5	5 9 7 14 18 14
10	4	8 6	10	13	12	11	3 9	10	10	5 11	5 11	10	12	15	17	19	17	16	9 15 6	9 15 5	15 5	7 11 4	5 5	4	7 10 8
11 12 13 14 15 16 17 18 19 20	1 18 9 0 4 10 19 8 4	3 17 10 0 7 16 18 9 8	2 17 10 0 8 16 17 11 8	2 17 10 0 9 10 18 12 6	0 14 10 0 9 8 18 13 4	0 12 8 1 9 10 17 14 0 4	1 7 3 0 9 11 16 5 0	2 7 5 1 9 11 13 7 0	12	9 13 13 2 8 8 14 15 8 7	13 15 16 5 11 10 15 16 10 9	17 16 17 4 13 10 16 17 12	20 15 14 3 12 8 14 17	20 12 16 3 11 7 13 16 21 16	18 12 16 3 11 4 13 14 23 18	17 15 18 2 10 5 8 10 18 20	11 13 16 2 10 8 8 6 16	4 14 13 3 4 9 9	16 13 3 3 2 12 9 0 4 7	17 10 0 3 5 18 9 3 7	23 10 0 3 5 19 8 4 4	23 9 2 4 13 17 8 4 1 6	21 10 0 4 12 17 6 0	18 10 0 5 11 19 7 0 3	11 13 9 2 9 11 13 9 7
21 22 23 24 25 26 27 28	1 28 8 4 3 16 8	3 30 12 6 3 27 7	5 31 14 6 3 35 8	2 31 15 10 0 35 8	3 28 14 7 0 31 7	5 23 15 4 0 27 4	5 20 13 2 0 24 3	14 0 0 20 5	11 13 15 7 2 18 6	15 12 18 7 7 19	20 14 19 7 13 29	25 16 18 8 15 22 12	31 20 20 10 15 21	34 21 20 10 16 28	34 22 20 11 15 22	34 22 22 11 23 18	32 17 18 9 26 15	36 9 12 6 25 15	36 14 3 3 8 15	31 3 2 1 14	30 13 2 2 0 14	29 12 3 4 0 13	27 11 4 4 0 13	27 7 3 4 10 9	20 19 13 6 8 21
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PERCENTAGE OF DATA VALID - 91.4 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 7.9

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

DEC

YEAR

	THE RESERVE TO SERVE TO SERVE TE	DATA FOR 1977		
POLLUTANT . OZ	ONE - CHEMILUMINESCENT		UNITS - PARTS/BILLION	
STATION - SE	NO 56051 MEMORIAL PAR	K YORK/THIRD ST., CORN	WALL	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MANTHUM DELECTION
JAN	31	13.9	22	MAXIMUM READING 26
FEB	25	16.7	27	38
MAR	31	23.4	45	59
APR	30	25.9	51	77
МАУ	31	32.1	62	89
JUL	30	22.1	4.4	66
AUG	31	20.4	44	61
SEP	26	19.4	44	65
ост	30 28	13.1	40	81
NOV	30	10.4	21	36
nr.c	30	13.0	23	37

13.5

18.7

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT . OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL MONTH 00 TO 10 11 TO 20 21 TO 30 31 TO 50 51 TO 80 81TO100 101TO150 15180VER TOTAL FEB MAR APR MAY JUN D JUL AUG SEP NOV DEC n YEAR FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT OF DATA VALID CONCENTRATIONS
FREQUENCY DISTRIBUTION. PERCENT
50 70 90 95 MIN ARITH MAX 97.0 2.5 10.7 16.7 23.2 34.1 57 9 18.7

POLLUTANT - CZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 58025 NATURAL RESOURCES BLDG ORCNO MONTH - JAN 77 HOUR 22 23 24 MEAN 30 10 30 15 2B 2B 29 30 28 14 26 34 19 28 26 6 24 9 24 32 16 28 22 25 22 35 21 26 22 19 17 16 22 22 26 9 12 28 23 19 17 14 24 18 21 24 24 29 25 2 18 21 18 13 23 19 22 21 23 24 24 23 24 25 25 25 21 21 10 12 13 14 15 16 17 0 0 19 10 21 23 15 10 13 18 17 22 30 6 8 27 29 11 14 18 28 19 26 10 20 19 13 24 21 30 28 19 22 23 13 12 22 20 30 28 28 22 26 28 17 26 23 28 26 20 27 26 19 22 30 26 19 23 22 22 19 23 31 28 25 25 24 31 25 26 32 32 23 25 30 28 28 32 31 23 7 30 24 7 26 21 27 23 10 28 21 13 30 25 8 16 26 26 27 15 23 24 25 26 27 28 29 30 26 12 0 25 26 26 26 21 0 17 12 16 8 18 27 16 6 17 0 27 21 0 26 25 16 0 27 21 0 22 24 27 23 23 28 27 28 27 25 24 12 23 21 29 22 21 26 23 26 28 R 11 28 15 1.4 q n MEAN 18.5

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - DZONE - CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 58025 NATURAL RESOURCES BLDG ORONO MONTH - FEB 77 9 10 11 16 17 18 24 MEAN 28 19 17 30 18 4 23 18 3 26 20 24 19 18 19 21 30 37 31 31 25 19 24 30 28 31 33 27 29 29 14 25 29 35 31 30 30 33 30 30 33 32 28 29 32 31 32 28 30 28 32 28 30 27 30 28 30 28 26 24 29 29 32 17 17 28 28 30 30 25 28 28 33 27 28 30 27 30 30 34 19 26 30 28 30 12 23 10 28 30 14 27 30 22 14 26 30 10 19 27 30 21 15 30 10 10 10 27 22 20 25 22 14 23 33 12 13 14 24 28 29 30 28 34 12 20 33 32 30 32 13 12 17 32 34 34 37 17 18 34 35 38 41 20 14 34 35 37 25 28 34 36 29 28 27 17 28 31 32 31 22 28 32 34 28 19 37 34 23 24 34 37 30 12 25 28 34 36 15 32 32 28 32 29 32 33 34 32 34 36 39 34 35 39 25 32 34 34 18 30 32 34 28 16 34 35 30 32 33 30 28 26 34 37 41 34 35 33 34 26 28 29 29 34 27 33 28 28 22 34 38 30 33 20 26 34 37 34 28 33 22 23 24 25 13 25 29 29 31 37 32 32 42 17 24 34 21 22 17 34 20 14 37 20 33 26 16 37 17 12 34 30 18 41 30 37 34 34 24 37 28 31 26 37 24 32 37 14 32 36 32 31 37 15 33 30 36 17 34 34 32 19 43 23 15 26 24 37 17 39 8 35 21 27 28 34 30 MEAN 25.9

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

							11636							UNITS	- PA	RTS/	TILLIC	)N							
	51	ATION		No.	58025		NATUR	AL RE	SOURC	ES BL	DG OF	ONO					vTH -		77						
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3	25	30	32	32	30	30	6	4	10	23	32	36	40	42		50	52	52	48	45	48	39	30	23	31
4	42	41	40	38	39	37	35	33	30	30	30	30			43	42	41	38	37	34	34	37	40	41	3:
5	24	24	26	26	26	24	21	18	19	25	26	28	31	32	31	29	26	21	17	19	17	26	26	23	30
6	26	30	35	36	35	34	34	35	34	34	32			34	31	30	30	30	28	21	20	28	30	28	20
7	26	26	28	27	18	8	6	33	12	21		30	35	35	37	34	33	34	34	34	31	30	30	29	
8	24	23	21	23	20	8					27	32	37	37	37	37	37	35	36	38	38	34	31		3:
9	0	3	- 6	5	12	9			6	17	19	25	29	32	35	43	44	39	20	16	14	10	31	26	28
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11	16	19	12	12	1.4	25	37	39	20	-	2.2							3.	22	2	2	9	1	6	20
12	81	75	67	63	57	52	45		39	61	66	66	75	72	75	77	79	79	44	7	46	70			
13	28	26	25	24	25	26	25	43	41	42	41	43	48	52	55	55	53	48	43	43	41	79 38	86	82	50
14	11	17	17	17	17	18		25	24	23	22	19	23	28	28	29	32	33	26	21			33	30	50
15	26	24	26	26			19	17	21	27	28	30	34	35	37	37	39	38	37		16	8	8	7	23
16	23	20	15		28	26	24	17	12	13	23	30	35	41	44	49	53	39	31	32	27	23	24	26	26
17	28			23	30	30	29	28	28	26	27	30	34	34	37	36	34	34		27	29	32	30	26	30
18		28	28	30	31	31	31	30	29	28	29	30	34	36	38	38	39		34	34	36	34	31	29	30
	11	16	30	31	32	33	33	33	33	34	34	36	36	36	36	36	35	38	37	28	26	19	22	19	30
19	36	35	32	32	31	32	34	34	36	37	38	39	39	42				34	34	35	35	36	37	37	33
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	37	39	39	39	37	37	36	33	33	33	33	34	32	31	32	34	36	29	16	13	28	35	37	36	31
23	39	39	38	38	38	37	36	36	36	37	37	39	41	42				38	39	39	39	38	38	39	36
24	36	35	37	37	37	36	36	35	36	37	37	37	39	40	42	43	46	46	41	32	38	37	37	38	39
25	36	35	34	34	34	34	34	33	34	34	34	37	40		40	40	40	40	39	38	37	37	37	36	37
26	36	36	35	34	34	33	32	30	32	34	35	37	35	41	43	43	43	42	40	39	38	39	39	37	37
27	0	0	0	0	1	1	4	13	27	32	41			33	32	35	35	34	30	12	12	26	17	3	30
28	37	34	31	28	27	27	26	25	26	27	28	41	45	45	43	44	45	45	46	51	48	46	44	42	29
29	22	22	23	21	19	18	13	19	23	28		29	29	29	30	30	30	30	30	30	24	19	21	23	28
30	26	19	4	7	В	11	18	29	41	47	39 52	46 53	49	55	62	65	66	66	62	53	33	29	31	26	37
200									-0.0		52	23	52	57	63	68	70	63	59	59	59	50	46	43	42
31	33	40	41	32	20	23	26	28	38	37	36	34	34	37	37	38	41	41	39	38	37	37	36		
MEAN	27	28	27	27	26	25	24	25	27	31	33	36	39	41	42	43							36	34	35
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NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*-\* INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	OZONE	- CHEM	I LUM I	NESCE	NT						UNIT	S - p	ARTS/	BILLIC	ON.							
	ST	ATION	· c	NO	58025		NATUR	AL RE	SOURC	ES BL	DG O	RONO						APR	77						
HOUR DAY	į	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN .
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2	32 35	31	30 35	28	24	17	19	21	35	37	39	39	42	43	43	40	46	44	36						
3	27	34		34	32	32	29	30	30	30	32	32	31	31	34	34	32	30	28	35	30	30	36	36	34
4	35		30	28	28	32	34	32	30	29	30	32	39	39	40	41	41	41		27	26	25	25	25	31
5	23	36	35	35	33	31	30	31	35	39	39	37	38	37	37	36	34	34	40	37	35	34	34	32	34
6	36	21	22	22	22	21	20	23	26	32	34	37	40	49	50	49	43	32	34	34	32	32	30	29	34
2	26	37	36	37	37	37	35	37	37	37	37	37	41	41	40	39	41	44	28	28	35	36	34	36	32
É		27	28	27	21	19	8	21	28	30	39	40	39	42	38	35	35		46	42	39	37	36	32	38
9	39	38	37	37	37	37	37	37	38	39	39	40	41	41	43	42	42	28 42	23	26	26	13	36	40	29
10	18	17	14	17	16	18	30	37	39	41	42	43	40	40	46	47	47		41	40	39	35	28	23	38
10	25	27	26	28	30	30	26	20	21	24	34	36	44	54	61	66	71	50	50	42	41	41	34	30	35
11	59	-		16.15						233	0.500			34	01	00	71	61	30	33	39	44	52	54	39
12	9	51	48	41	34	30	27	27	28	27	29	34	39	53	68	79	92	87	0.0		(Miles)	140.00			
13		19	17	1.7	14	14	34	57	59	62	63	72	84	83	85	93	99	78	86	79	45	34	3	3	46
14	34	27	59	23	12	10	19	23	17	16	34	41	62	71	75	71	66		67	50	30	34	49	38	51
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17	42	41	39	36	36	37	38	45	47	46	48	49	52	52	51		46	50	51	45	46	46	46	44	41
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19	3	6	12	5	9	21	31	44	51	35	58		68	70	76	39 75	43	24	16	0	0	0	0	0	19
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		28	32	23	31	34	37	39	39	38	33	27	21	19	30	31	34		88	51	66	48	26	26	66
23	37	37	34	33	34	36	36	36	32	32	32	33	37	35	34	35	34	34	31	29	33	31	32	35	31
24	34	33	32	32	31	31	30	30	31	31	32	32	32	32	31	33		34	35	37	37	37	35	34	35
25	35	34	34	34	32	30	29	33	33	32	32	34	37	38	34		32	30	31	30	30	32	32	33	32
26	18	19	21	28	23	6	10	13	19	30	35	39	41	42	43	30	32	26	26	19	12	9	14	16	29
27	0	2	1	1	0	1	1	9	19	29	29	28	32	37		42	39	36	34	28	19	В	1	0	25
28	51	52	41	26	28	29	30	32	37	39	40	42	43	43	47	50	52	53	61	54	48	19	24	43	27
29	20	21	28	28	29	29	30	32	36	39	41	43	44		44	45	46	46	45	43	40	34	22	17	38
30	26	22	18	14	6	1	3	10	18	29	37	40	50	45	47	47	46	46	45	43	37	21	15	24	35
MEAN	29	30	20				70000				2000	1111000	50	66	69	68	70	75	76	57	47	42	39	32	38
- CAN	29	30	29	28	27	25	27	31	33	34	38	39	44	48	51	52	53	50	47	40	36	32	30	29	36.6

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILLWINESCENT UNITS - PARTS/BILLION

	7.50													0111		13/1	ILLLIC	)N							
	SI	ATION	. с	NO	58025		NATUR	AL RE	SOURC	ES BL	DG O	RONO				MON	тн -	JUL	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	51	43	35	36	35	25	25	29	34				2020												
2	25	30	29	27	34	35	35	36	37	37	44	47	48	56	54	56	57	56	50	41	35	31	27	27	41
3	4	1	4	5	4	9	9	24	30		31	29	28	26	28	29	29	28	29	31	21	18	17	9	
4	25	23	27	30	24	23	31	38	47	38	51	60	61	61	59	57	53	55	53	45	35	39	49	39	35
5	46	19	19	18	7	4	21	34		55	83	84	102	132	165	160	144	120	96	81	55	28	43	53	
6	44	55	39	37	33	33	31		51	53	48	47	51	50	78	94	94	81	75	66	44	37	21	47	46
7			-		33	33	31	28	23	21	23	24	25	22	21	21	23	31	31	32	33	33	31	28	30
8	35	29	25	25	17	13		202	-	2			· ·	~	2	1.4	27	28	33	33	35	35	32	32	
9	0	0	0	4.5	17		10	12	21	29	33	39	47	48	47	39	43	41	66	72	37	12	32		• • • • • •
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1.1	15	21	23	29	100														31	23	7	0	0	3	22
1.2	28	26	25	19	32	29	25	23	27	31	34	40	46	66	64	62	69	67	62	54	40				
13	21	23			19	21	23	23	25	29	31	28	47	5.7	71	75	75	73	61	59	49	42	36	29	41
14	26		31	37	31	25	21	32	46	45	45	45	45	44	45	46	49	49	48	45	52	40	33	31	40
15	9	19	13	13	13	9	19	19	27	40	25	37	48	45	50	46	45	36			39	35	30	27	38
16		5	8	9	9	9	13	30	43	58	73	100	125	139	126	79	61	53	31	31	16	9	13	18	27
17	19	4	4	5	В	12	19	49	52	53	55	55	75	106	120	123	113		5.3	51	41	40	47	29	50
	51	32	34	30	43	39	39	41	48	53	65	82	93	104	92	83	77	118	118	112	65	55	51	53	60
18	35	19	21	8	5	2	9	27	43	49	62	77	71	68	80	95	94	67	60	61	57	29	29	31	56
19	14	13	10	13	10	6	17	38	50	59	71	100	96	86	75	B2		96	92	77	36	21	18	15	47
20	8	5	16	35	26	34	18	29	47	79	116	140	176				83	79	75	67	38	24	5	7	47
-9001											110	140	176	147	136	122	99	83						****	73
21	****		69	65	67	67	53	53	57	56	50	44	43	.12											
22	23	27	27	23	24	22	21	27	27	27	29	30		41	37	34	32	33	33	32	28	26	23	21	44
23	21	19	18	18	19	12	- 4	11	23	29	31		31	31	33	33	35	34	34	30	24	23	22	21	27
24	1	4	3	D	0	3	12	31	41	47		42	51	83	69	64	51	48	49	41	25	2	0	0	30
25	23	45	69	67	63	53	42	43			58	69	79	63	82	88	88	84	82	75	64	55	38	28	46
26	21	19	17	19	17	17	21	23	42	44	40	41	34	34	35	36	3.4	29	27	26	25	25	25	25	39
27	15	14	13	13	13	12	12	15	24	26	27	29	29	30	31	31	33	33	33	31	25	16	9	13	24
28	3	14	17	21	15	11	9		24	27	27	23	34	38	45	49	43	40	42	36	24	9	6	10	24
29	42	41	33	24	21	20		25	31	45	48	46	49	53	65	62	63	67	61	59	60	60	51	47	41
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NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. \*- INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

CNTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	LLUTA	NT ·	OZONE	- CHEM	ILUMI	NESCE	NT						UNITS	5 - PA	RTS/F	TILL	16E							
	\$1	ATION	. c	NO	58025		NATUR	AL RE	SOURC	ES BL	DG OF	IONO					тн -								
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3	19	19	23	28	32	27	20	28	32	48	62	37	45	69	78	82	69	74	71	63	52	35	18	11	34
4	12	31	16	13	1.1	В	6	25	31	44	47	73	79	89	101	104	88	62	56	54	39	27	12	9	
5	50	44	33	35	35	43	39	37	37	29		59	83	83	81	74	77	71	71	60	54	31	35	23	47
6	33	21	16	13	29	31	23	15			32	42	37	45	47	47	57	65	55	43	32	28	23		44
7	19	21	10	4	3	10	11		15	29	39	36	40	40	44	45	47	48	39	32	28	24		37	41
8	0	8	20	13	13	4	5	11	15	21	26	31	31	34	33	40	43	30	23	23	15		18	16	30
9	31	25	23	23	23	15		3	8	25	32	41	61	53	42	33	28	34	29	22		3	0	0	19
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16	9	ģ			1.1	1.1	9	9	14	21	23	25	26	28	28	29	29		26	20	14	3	7	8	20
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18	20		13	1.1	10	1.1	8	22	28	31	31	31	33	36	35	32	31	21	27	31	35	28	26	24	19
19		19	19	17	15	13	13	13	16	19	21	22	23	23	23	26		32	33	33	33	29	23	23	25
20	13	15	12	15	9	7	3	6	15	17	20	34	43	48	50		29	31	28	22	19	16	15	13	20
20	25	20	16	1.4	19	15	13	16	19	21	23	23	27	27	27	50	48	47	38	30	29	27	29	28	26
21	-	12									-	2.5	20	21	21	28	35	41	40	17	1	0	0	0	19
22	0	0	1	- 1	8	10	16	21	21	21	20	25	31	27	27	2.0		100.00							10.5
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24 25	25	26	20	23	23	18	13	9	16	16	24	30	30	29		31	31	28	25	26	30	27	23	23	21
	21	21	17	15	17	15	14	15	15	21	23	24	27	28	31	31	32	32	30	24	10	13	21	20	23
26	6	13	12	15	16	13	15	15	17	31	33	37	45		30	45	55	56	25	0	0	3	1	6	21
27	47	37	25	27	31	29	29	31	27	26	36	42		59	68	72	76	74	66	49	41	42	47	36	37
28	61	50	41	33	28	25	23	32	41	48	57	67	49	63	76	87	88	86	78	78	73	62	57	66	52
29	12	1.1	17	18	1.1	5	3	19	35	38	37		75	88	86	83	79	73	70	62	59	33	38	18	53
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PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0 NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS . PARTS/BILLION STATION - C NO 58025 NATURAL RESOURCES BLDG ORONO MONTH - NOV HOUR 1 B 24 MEAN 1 2 3 4 5 6 7 8 9 10 14 10 2 21 32 23 25 7 8 0 23 7 14 21 21 24 16 12 8 23 16 14 21 14 8 8 2 23 11 10 0 23 7 15 19 14 13 0 24 7 15 20 18 21 8 24 9 15 20 11 9 24 11 17 22 31 12 26 15 25 23 24 11 13 19 18 13 20 24 9 15 14 23 24 8 12 17 16 20 22 24 9 17 17 11 12 8 24 19 14 21 15 12 4 15 12 20 13 16 14 23 20 11 22 15 11 9 23 19 13 21 15 34 15 26 16 15 20 15 30 22 25 18 15 20 16 16 12 24 11 15 24 22 10 23 15 25 10 15 20 13 14 21 13 6 14 20 10 21 13 11 26 12 13 14 15 16 17 18 19 20 24 13 0 14 8 0 16 23 14 0 17 8 0 16 23 25 16 0 19 23 25 15 0 12 25 3 17 22 24 11 0 5 27 7 20 23 25 7 0 5 24 5 23 26 21 7 23 11 10 26 23 26 23 24 26 23 24 26 24 25 26 17 17 17 17 15 25 26 9 3 16 19 22 27 25 24 2 0 18 13 19 23 25 20 0 6 20 6 21 20 25 18 0 12 19 18 20 18 24 17 0 18 21 20 13 14 23 13 0 12 17 15 14 10 25 14 0 24 4 0 23 16 0 9 14 16 14 16 22 14 0 11 10 8 13 23 22 10 5 16 25 18 5 20 4 25 25 12 0 13 10 3 22 14 0 15 20 14 10 2 17 21 3 14 26 12 13 28 21 14 28 22 23 24 25 26 27 28 29 0 19 0 21 2 27 22 22 0 21 3 27 10 20 0 23 21 0 18 18 0 18 3 26 17 22 0 8 17 0 14 4 26 20 5 7 18 0 20 8 25 19 10 19 3 22 17 25 11 17 19 0 22 20 26 19 0 21 20 28 12 27 17 4 22 20 28 5 27 21 12 28 16 8 24 24 26 28 13 6 21 26 25 14 16 12 7 17 31 22 14 4 10 16 15 31 18 10 24 14 4 18 28 25 13 3 9 8 11 14 29 20 11 5 14 14 28 23 0 12 12 28 16 0 19 9 27 15 14 6 18 18 25 12 0 20 7 27 27 22

PERCENTAGE OF DATA VALID - 99.6

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NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

21

3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - DZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - C NO 58025 NATURAL RESOURCES BLDG ORONO MONTH - DEC HOUR 24 MEAN DAY 2 3 4 5 6 7 8 9 17 16 18 23 26 23 17 9 27 15 23 9 26 27 23 23 10 26 14 25 15 26 28 23 24 16 26 15 18 14 23 27 23 22 9 26 13 24 13 27 27 24 27 14 25 13 23 10 25 27 22 25 9 25 9 23 9 27 27 22 16 5 25 13 25 26 23 19 7 25 10 25 19 26 27 22 22 7 26 8 20 27 28 26 27 27 26 19 9 22 29 28 27 28 24 16 26 7 19 25 29 26 24 24 25 16 18 21 27 26 18 23 28 17 15 16 15 25 26 0 25 28 18 4 16 2 23 25 0 24 30 20 4 16 9 26 25 7 11 19 16 27 22 14 10 29 27 31 28 27 24 30 14 30 21 19 26 26 20 23 16 25 27 25 27 21 23 27 24 31 28 27 24 29 14 29 29 27 27 28 14 29 31 28 27 28 26 11 9 24 25 0 21 30 22 27 27 24 29 12 12 13 14 15 16 17 18 19 20 16 11 0 0 14 26 20 21 22 11 27 11 0 0 18 24 20 20 29 11 0 0 27 11 0 0 19 25 20 18 26 9 0 0 18 26 21 18 25 7 0 2 0 14 25 21 26 7 22 6 0 4 0 11 24 21 26 21 6 0 5 3 22 6 5 7 8 25 23 21 27 21 7 4 10 10 26 20 21 27 20 7 14 14 26 22 24 30 18 5 13 16 29 22 24 29 4 6 17 17 29 23 24 29 9 4 19 15 28 23 24 29 7 2 2 5 8 28 22 27 7 2 2 3 8 29 22 23 25 0 2 0 8 28 28 22 23 23 7 15 6 2 5 6 23 23 21 23 7 0 2 0 7 R 0 2 0 14 10 29 23 23 29 0 2 0 6 30 21 21 22 0 14 25 20 21 0 17 24 20 21 20 18 17 21 18 20 20 13 21 27 22 23 24 25 26 27 28 29 30 10 0 21 21 0 17 0 2 11 0 17 26 4 14 2 9 5 7 2 9 0 25 25 7 15 7 0 30 24 7 16 5 3 10 0 29 21 10 5 17 7 3 16 7 1 12 2 30 21 14 16 2 14 6 29 23 19 16 4 14 8 28 24 22 14 4 15 8 31 21 25 2 18 31 26 30 18 16 5 16 6 29 24 29 16 0 15 17 29 23 25 13 29 0 7 15 28 23 22 12 0 7 9 17 27 21 24 4 2 4 10 8 26 21 16 11 7 4 0 16 24 15 24 8 0 24 22 12 17 9 2 11 4 15 27 18 26 0 9 12 0 27 14 10 2 28 17 0 6 19 17 0 3 0 3 23 21 0 6 0 30 25 9 18 2 24 28 14 19 22 25 29 14 19 MEAN 15.8

PERCENTAGE OF DATA VALID - 99.9

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PERCENTAGE OF DATA UNAVAILABLE - C.O.

- 2. "- " INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

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					77016	-	ASH ST	WATER	TANK.	SUDBU	RY				MON	TH +	JAN	77						
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# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	OZONE	- CHEM	LUMI	NESCE	NT						UNIT	S - p	ARTS/	BILLI	ON:							
	51	ATION	· NE	NO	77016		ASH S	T WAT	ER TA	NK.	SUDB	URY				MO	NTH -	FEB	77						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	20	21	21	21	24	23	15	16	16	20	20													
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3	5	5	6	6	6	5	4	2	ő	ő	2	8	17	18	20	21	17	10	8	1	0	8	15	19	11
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5	12	12	12	14	15	16	16	15	14			8	9	9	8	7	0	0	1	6	9	11	12	11	7
6	12	10	11	10	7	11	12	13		14	12	12	14	14	14	14	14	13	13	13	13	13	14	14	14
7	14	15	15	15	16	14	14	13	13	13	13	13	15	16	16	16	17	13	12	14	16	16	15	15	
8	9	8	7	6	5	2	0		12	12	1.1	12	13	••••	••••	11	7	0	0	1	6	7	7	19	13
9	6	7	9	7	7	7	6	0	0	0	1	6	9	8	8	8	6	4	5	5	5	5	6	6	10
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14	21	25	26	27	19	18	17	14	15	10	16	19	14	13	12	11	5	13	20	18	17		18	16	17
15	27	29	29	30	29	30	32	32	28	29	33	29	29	28		29	29	27	29	28	28	20	23	22	16
16	19	15	15	19	31	31	31	24	29	32	33	33	• • • •	20	20	20	18	17	19	18		29	29	29	28
17	2	1	15		12	8	15	14	11	16	• • • •	18	20	20	20	18	7	3	4	8	18	16	14	8	24
18	23	24		0	2	0	0	1	3	4	11	15	20	19	20	19	16	15	14	15	9	9	4	3	12
19	18	17	22	19	24	23	14	9	8	10	13	13	13	1.1	6	5	4	2	13		18	19	1.1	15	10
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20	10	15	16	16	16	17	16	16	16	18	18	18	18	17	16	16	13	13	18	16	18	16	15	13	18
21	20	20	0.0	20		-											1,5	13	1.6	20	20	17	15	17	17
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25	11	24	24	24	23	22	20	14	1 1	13	12	13	13	12	11	8	8	11	19	21	20	21	20	20	19
26	11	1.1	1.1	13	15	16	14	11	14	14	14	11	12	13	13	13	14	14	11	10	12	13	11	11	15
27		13	13	14	14	14	16	13	12	16	21	16	23	18	14	16	17	16	13	15	16	14	13	11	13
28	22	15	В	5	6	14	19	18	18	16	17	16	17	16	16	19	20	23	13	20	20	23	24	20	17
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NOTES 1. \*\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE 2. "-" INDICATES DATA IS UNAVAILABLE

<sup>3. \*\*\*\*\*\*</sup> INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - DZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	ST	ATION	- NE	NO	77016		ASH S	WAT	ER TA	NIE	SUDB	TIEN				2000									
1179-207-527			-		, - 0 , 0		n311 3		F-6 13	UND .	5006	URT				MON	TH - 1	MAY	77						
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1	61	69	69	60	55	48	50	50	49	51	53	52	62	22	7-										
2	23	22	21	21	19	18	18	20	23	24	27	25	27	73	75	80	79	67	57	42	36	26	25	24	55
3	25	25	26	24	23	16	16	21	25	28	27	30	32		27	26	27	25	21	20	22	22	22	21	23
4	16	0	0	1	10	3	4	9	18	34	41	48	47	29 40	29	28	33	37	32	31	28	21	25	26	27
5	34	28	2	0	0	3	8	16	25	36	41	49	47	52	41	38	41	34	39	36	18	21	35	36	25
6	25	22	20	23	22	20	16	21	21	21		25	23		47	34	29	24	19	16	19	21	20	23	25
7	21	23	23	27	27	26	24	24	24	25	25	25	24	18	16	16	18	18	19	21	23	24	24	23	21
В	19	21	22	24	25	25	24	23	23	21	19	21	18	17	25	25	25	24	23	24	26	29	27	23	25
9	22	22	23	22	22	21	19	18	19	18	18	18	21	21	17	23	23	21	20	20	20	18	18	20	21
10	21	23	23	21	21	18	19	22	25	25	32	34	36	34	20	21	21	22	24	24	24	23	22	23	21
									- 0		54	34	30	34	29	28	27	27	29	31	29	23	27	13	26
1.1	27	31	31	30	22	17	15	25	31	31		33	37	31	29	27									
12	22	21	24	25	23	18	1.8	22	29	33	32	31	38	34	30	29	27	27	27	28	27	23	19	19	27
13	25	25	26	24	22	22	21	24	27	29	29	29	31	31	32	31	28	27	27	25	24	21	21	25	26
14	22	21	27	25	23	25	24	26	29	30	34	37	37	35	34	31	29	27	28	29	27	18	20	25	26
15	6	2	3	3	4	5	10	25	36	38	38	39	41	38			29	29	31	27	15	12	10	11	26
16	31	29	29	31	27	23	21	21	23	31	34	38	60	63	35	35	36	40	38	34	34	31	32	32	26
17	59	60	55	51	51	48	38	39	43	45	49	49	53	45	68	69	69	70	65	62	57	53	51	54	45
18	41	38	26	27	22	18	15	14	17	19	****	19	23		43	40	38	44	44	44	49	45	41	38	46
19	2	7	10	16	16	3	3	7	20	34	36	36		23	24	25	25	27	26	24	11	1	0	0	20
20	21	21	21	12	14	15	14	12	13	16	26	36	34	34	38	38	23	28	33	30	22	19	26	25	23
							2.5	10.40	. 3	10	20		39	36	38	40	41	41	44	47	49	40	17	23	28
21	62	51	50	47	44	43	37	38	48	60	73	77	85	81	79	77	81	0.0	-	Name of the last					
22	75	70	6.4	66	57	73	74	77	76	74	76	78	77	78	79	79	79	83	87	88	85	84	83	81	68
23	70	70	64	59	57	53	47	47	47	44	42	43	43	39	38	44		77	77	75	74	74	75	77	74
24	53	52	54	56	53	37	28	35	42	50	51	51	46	44	38	36	47 35	53	63	68	73	70	60	61	54
25	20	13	10	8	8	8	1.1	1.1	12	14	17	20	23	25	27	27	27	36	34	33	31	21	21	23	40
26	25	25	25	21	25	21	18	23	27	34	34	35	38	40	39	38	36	27	29	27	22	23	25	25	19
27	25	27	27	24	23	18	13	20	27	31	32	35	33	34	36	33	29	34	38	37	26	24	27	27	30
28	23	23	25	32	36	34	34	34	30	17	15	17	20	25	27	27	29	31	36	36	37	33	31	27	29
29	7	1	4	13	14	14	14	17	21	23	25	27	29	29	29	30		31	31	26	24	12	10	12	25
30	1	8	8	10	12	10	6	21	29	31	34	36	40	41	42	44	31 44	30 42	29 36	25 31	14	10	27	27	18 27
31	25	25	21	16	12	2	10	16	28	46	55	60	53	44	42	42	47	64	64	62	62	60	57	1000	10000
MEAN	29	28	27	26	25	23	22	25	29	33	36	37	39	39	38	37	37	38	38	36	33	30	29	53 29	40 31.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "..." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. \*\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY MONTH - JUN HOUR 24 MEAN 12 15 21 22 19 18 14 12 16 23 21 23 19 17 14 0 12 15 23 18 21 18 17 14 2 1 2 3 4 5 6 7 8 9 13 25 17 22 18 17 13 6 12 16 29 15 18 18 19 12 5 13 14 27 16 22 19 18 12 7 12 16 29 16 18 19 23 15 12 12 19 27 20 21 21 27 16 21 14 21 21 23 21 30 17 24 14 24 27 21 23 25 31 20 31 16 25 32 21 22 27 31 20 37 19 23 39 18 19 27 31 21 19 21 41 19 25 25 26 45 19 19 42 19 19 21 21 17 18 36 18 18 21 20 18 41 18 42 16 18 19 20 19 34 19 21 44 15 19 20 16 21 27 19 21 22 12 19 19 14 8 19 21 29 14 20 19 13 9 16 20 21 17 19 19 14 8 16 19 30 18 20 21 21 15 21 22 39 18 19 25 30 21 44 21 40 14 19 21 14 15 12 13 14 15 16 17 18 19 20 27 22 18 27 22 20 13 22 20 25 17 31 31 38 DATA 12 18 13 25 22 34 26 24 19 15 12 19 14 24 34 24 14 27 31 34 16 27 34 36 19 31 29 39 19 34 28 40 19 34 27 22 31 22 21 26 22 10 1 9 20 INVALID 24 10 20 23 9 21 22 12 16 23 5 16 23 8 16 22 12 27 13 12 14 14 12 14 9 12 6 8 12 11 21 12 18 8 14 8 16 12 21 10 13 11 14 22 23 24 25 26 27 28 29 30 21 49 33 19 23 59 67 18 22 39 28 18 27 60 64 16 21 31 25 16 28 59 10 8 25 34 28 14 27 10 19 40 28 14 18 63 49 10 20 31 23 19 18 47 18 30 36 24 26 37 73 23 29 39 22 28 38 75 26 36 21 27 36 65 15 22 24 29 58 28 29 38 78 24 29 51 25 27 53 77 10 25 31 39 20 29 58 25 38 36 17 27 73 106 24 38 31 19 28 75 111 8 23 29 42 25 29 64 82 25 40 40 23 30 79 111 10 36 22 45 36 23 27 71 116 10 45 21 42 37 15 31 66 111 12 42 18 44 32 18 25 56 79 44 31 16 24 39 73 19 30 37 23 23 43 77 23 27 16 27 25 12 10 48 34 8 12 19 18 13 8 37 25 44 35 17 25 60 91 12 40 36 24 26 29 55 54 11 

PERCENTAGE OF DATA VALID - 92.5

PERCENTAGE OF DATA INVALID - 7.2

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	CT	ATION												with the	S - 167	1K15/	SILLIC	N.							
HOUR				NO	77016		ASH S	T WAT	ER T	ANK.	SUDB	JRY				Mon	VTH -	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	61 7 6 14 12 13 8 0 15 18	53 11 6 13 12 13 10 0 24 16	46 12 6 10 13 13 9 0 29	38 11 6 15 14 11 9 2 29 14	38 11 7 15 13 11 10 2 31 13	34 11 8 17 13 11 10 3 31	27 6 8 11 13 7 4 1. 26 9	23 5 8 10 13 4 1 1 29 8	17 6 11 13 13 7 3 3 33 8	15 11 12 20 13 11 5 8	13 11 12 19 14 11 5 10 47	11 **** 15 20 15 10 6 14 53 8	13 14 17 17 12 6 15 58	13 12 15 16 16 15 9 14 64 10	11 15 16 15 14 10 13 67	10 14 14 14 14 12 10 12 63	10 15 13 11 15 11 10 11 57	8 12 13 10 15 10 10 13 48 9	7 8 13 4 14 7 4 8 20	6 1 8 6 13 5 1 8 22 9	8 1 9 7 13 3 0 10 20 9	8 8 10 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 7 11 11 11 2 0 11 13 9	4 7 6 11 11 3 0 13 16	20 9 10 13 14 9 6 8
11 12 13 14 15 16 17 18 19 20	12 16 15 14 1 4 4 20 13 11	11 17 23 14 6 10 3 17 11 13	11 20 20 13 7 11 5 20 9	9 19 22 11 10 6 4 22 8 11	10 19 20 11 8 11 3 20 10	10 20 13 11 3 8 3 19 10 9	8 14 7 8 0 2 1 17 9 6	8 11 2 8 3 2 1 16 8 4	2 10 4 6 1 18 10 6	11 3 10 13 **** 2 20	14 18 3 11 19 13 3 24 9	13 19 4 11 19 12 4 23 8 5	14 20 6 **** 16 12 6 25 9 5	15 18 5 11 17 10 11 24	12 15 4 12 17 6 14 26 10 5	11 18 4 12 16 3 20 26	12 20 4 11 15 4 12 24 9	15 20 5 11 12 4 14 22 9	16 20 10 13 8 6 15 7	15 20 10 8 2 6 15 8	13 22 8 1 0 4 15 11 10 9	12 20 10 2 0 4 18 14 10 9	12 19 12 1 0 4 18 13 10 9	13 17 12 1 0 3 19 12 11	10 12 18 9 8 7 9 19
22 23 24 25 26 27 28 29 30	0 0 17 15 9 5 7 10	2 0 17 16 7 4 7 12	7 0 2 16 13 6 5 9 12	8 0 3 15 10 6 6 8 12	7 0 5 14 12 6 5 8 11	6 0 3 12 12 6 7 4 7	7 2 0 4 12 6 5 8 2 3	5 11 4 * 4 10	7 0 10 10 10 10 7	10 10 94 5 87	12 3 6 13 8 5 10	12 3 10 15 8 5 14 10 13	12 4 14 13 7 4 15 12 15	13 5 14 15 7 3 15 11 13	14 7 12 16 7 1 14 10 10	12 5 13 16 7 1 13 11 6	11 0 14 16 7 0 10 11 4 7	13 0 7 15 5 15 9 11 5 7	11 0 3 15 4 15 8 9 4 7	8 0 2 15 6 13 8 11 3	5 0 0 16 7 10 9 13 3	4 0 0 17 11 7 8 8 4 2	4 0 0 18 13 7 6 5 6	5 0 0 19 15 8 5 8	9 2 4 11 10 8 8 8 7
						7.5			a	9	12	13	14	14	14	13	12	12	9	8	8	8	8	8	10.6

PERCENTAGE OF DATA VALID - 9B.3 PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY MONTH - OCT 77 HOUR 1.1 24 MEAN 2 3 4 5 6 7 8 9 6 12 11 26 9 12 12 24 4 12 8 9 5 12 11 14 7 5 12 10 13 8 11 4 6 12 10 8 8 10 \*\*\*\* 5 9 20 20 6 16 10 10 17 5 11 10 10 11 6 4 10 12 10 10 12 6 7 11 12 9 12 6 16 7 11 11 7 10 11 9 11 12 6 19 7 11 16 4 11 11 25 7 8 11 10 15 7 9 8 8 12 11 \*\*\*\* 12 11 10 8 6 4 11 27 7 11 7 14 5 12 8 13 7 3 9 12 9 8 5 11 7 15 7 12 13 14 15 16 17 18 19 14 11 14 8 2 15 14 3 0 13 12 8 5 0 5 6 11 \*\*\*\* 9 15 9 15 24 8 11 14 9 11 10 14 24 7 11 16 10 14 27 8 12 14 16 0 0 12 11 11 8 13 0 13 10 9 5 10 8 27 8 11 10 5 3 9 7 9 10 9 11 10 0 4 8 2 7 13 16 7 8 13 13 17 14 11 13 13 3 11 6 7 9 0 11 11 2 3 0 9 12 11 6 12 11 5 7 0 0 13 11 10 7 4 14 24 7 12 15 22 11 12 13 4 13 11 11 13 10 18 12 13 10 11 13 8 11 13 10 2 13 0 6 0 9 7 18 13 19 14 22 23 24 25 26 27 28 29 30 7 5 8 14 13 29 13 21 10 10 0 1 19 12 8 3 11 7 0 8 8 0 16 11 16 11 9 0 2 8 15 18 34 14 7 18 19 32 15 6 18 19 31 6 10 6 17 14 30 16 7 12 8 31 16 9 7 0 0 20 12 13 3 17 15 4 23 13 8 3 24 10 9 10 6 17 20 13 26 12 25 12 12 14 14 DATA INVALID - DATA INVALID 16 21 22 17 15 -----MEAN 8 7 9 10 12 13 14 8 10.1

PERCENTAGE OF DATA VALID - 88.8

PERCENTAGE OF DATA INVALID . 11.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "\*\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT . OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - N	NE NO 77016	ASH ST WATER	TANK.	SUDBURY
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MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
MONTE	NO OF DATS	AVERAGE CONCENT	24-NOOR MAXIMUM	MAXIMUM REAUING
JAN	0	18.8	****	22
FEB	26	15.0	28	38
MAR	29	17.8	26	53
APR	30	25.4	43	64
MAY	31	31.8	74	88
JUN	27	24.9	77	116
JUL	31	23.4	42	64
AUG	31	15.8	33	62
SEP	30	10.6	35	67
OCT	27	10.1	17	34
NOV	30	7.9	12	20
DEC	29	7.8	17	19
YEAR	321	17.5	77	116

### ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

2836

1356

YEAR

2521

POLLUTANT - OZONE-CHEMILUMINESCENT UNITS - PARTS/BILLION

3 (50)		-					-								2000000				
ST	ATION - NE	NO	770	16		ASH	ST	WATER	TAN	К.	SUD	BURY	,						
	MONTH 00	то	10	11	TO	20	21	TO 30	31	то	50	51	то	80	B1T0100	10170150	15180VE	R TO	TAL
	JAN		0			8		4			0			О	0	0		0	12
	FEB		152		į	376		98			12			О	0	0		0	638
	MAR	1	124			354		171			51			1	0	0		0	701
	APR		58			157		325		19	140			33	0	0		0	713
	MAY		48			103		286			197			95	10	0		0	739
	JUN		65		3	263		183			106			41	3	5		0	666
	JUL		09		3	265		145			200			21	0	0		0	740
	AUG	3	242			327		93			58			11	0	0		0	731
	SEP	Ş	382			289		20			9			В	0	0		0	708
	OCT	,	374			252		31			4			0	0	0		0	661
	NOV		481			229		0			0			0	0	0		0	710
	DEC	- 4	486			213		0			0			0	0	0		0	699

F	REQUENCY	DISTRIBUT	ION BY PE	RCENTILES									
		PERCENT						TRATIONS					
		OF DATA		0.000	CP0002	FREQUENCY	DISTR		PERCENT			20.0000	ARITH
		VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
		00 4	0	2 7	0 6	12 6	20.2	33 6	12 3	54 D	64 B	116	17 E

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777

LEGISLATIVE LIBRARY OF ONTARIO

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